

用Python绘制冬奥会吉祥物冰墩墩

作者：凯鲁嘎吉 - 博客园 <http://www.cnblogs.com/kailugaji/>

想要保存Python中turtle模块的图片为jpg格式，前提需要在<https://ghostscript.com/releases/gsdnld.html>下载gs9550w64.exe，默认安装到C盘，并将C:\Program Files\gs\gs9.55.0\bin添加到path中。

1. 冰墩墩Python代码

```
# -*- coding=utf-8 -*-
# https://www.cnblogs.com/kailugaji/
import turtle
from PIL import Image

turtle.title('Bing Dwen Dwen')
turtle.speed(100000)
# 左手
turtle.penup()
turtle.goto(177, 112)
turtle.pencolor("lightgray")
turtle.pensize(3)
turtle.fillcolor("white")
turtle.begin_fill()
turtle.pendown()
turtle.setheading(80)
turtle.circle(-45, 200)
turtle.circle(-300, 23)
turtle.end_fill()
# 左手内
turtle.penup()
turtle.goto(182, 95)
turtle.pencolor("black")
turtle.pensize(1)
turtle.fillcolor("black")
turtle.begin_fill()
turtle.setheading(95)
turtle.pendown()
turtle.circle(-37, 160)
turtle.circle(-20, 50)
turtle.circle(-200, 30)
turtle.end_fill()
```

```
# 轮廓
# 头顶
turtle.penup()
turtle.goto(-73, 230)
turtle.pencolor("lightgray")
turtle.pensize(3)
turtle.fillcolor("white")
turtle.begin_fill()
turtle.pendown()
turtle.setheading(20)
turtle.circle(-250, 35)
# 左耳
turtle.setheading(50)
turtle.circle(-42, 180)
# 左侧
turtle.setheading(-50)
turtle.circle(-190, 30)
turtle.circle(-320, 45)
# 左腿
turtle.circle(120, 30)
turtle.circle(200, 12)
turtle.circle(-18, 85)
turtle.circle(-180, 23)
turtle.circle(-20, 110)
turtle.circle(15, 115)
turtle.circle(100, 12)
# 右腿
turtle.circle(15, 120)
turtle.circle(-15, 110)
turtle.circle(-150, 30)
turtle.circle(-15, 70)
turtle.circle(-150, 10)
turtle.circle(200, 35)
turtle.circle(-150, 20)
# 右手
turtle.setheading(-120)
turtle.circle(50, 30)
turtle.circle(-35, 200)
turtle.circle(-300, 23)
# 右侧
turtle.setheading(86)
turtle.circle(-300, 26)
# 右耳
turtle.setheading(122)
turtle.circle(-53, 160)
turtle.end_fill()
# 右耳内
```

```
turtle.penup()
turtle.goto(-130, 180)
turtle.pencolor("black")
turtle.pensize(1)
turtle.fillcolor("black")
turtle.begin_fill()
turtle.pendown()
turtle.setheading(120)
turtle.circle(-28, 160)
turtle.setheading(210)
turtle.circle(150, 20)
turtle.end_fill()
# 左耳内
turtle.penup()
turtle.goto(90, 230)
turtle.setheading(40)
turtle.begin_fill()
turtle.pendown()
turtle.circle(-30, 170)
turtle.setheading(125)
turtle.circle(150, 23)
turtle.end_fill()
# 右手内
turtle.penup()
turtle.goto(-180, -55)
turtle.fillcolor("black")
turtle.begin_fill()
turtle.setheading(-120)
turtle.pendown()
turtle.circle(50, 30)
turtle.circle(-27, 200)
turtle.circle(-300, 20)
turtle.setheading(-90)
turtle.circle(300, 14)
turtle.end_fill()
# 左腿内
turtle.penup()
turtle.goto(108, -168)
turtle.fillcolor("black")
turtle.begin_fill()
turtle.pendown()
turtle.setheading(-115)
turtle.circle(110, 15)
turtle.circle(200, 10)
turtle.circle(-18, 80)
turtle.circle(-180, 13)
turtle.circle(-20, 90)
```

```
turtle.circle(15, 60)
turtle.setheading(42)
turtle.circle(-200, 29)
turtle.end_fill()
# 右腿内
turtle.penup()
turtle.goto(-38, -210)
turtle.fillcolor("black")
turtle.begin_fill()
turtle.pendown()
turtle.setheading(-155)
turtle.circle(15, 100)
turtle.circle(-10, 110)
turtle.circle(-100, 30)
turtle.circle(-15, 65)
turtle.circle(-100, 10)
turtle.circle(200, 15)
turtle.setheading(-14)
turtle.circle(-200, 27)
turtle.end_fill()
# 右眼
# 眼圈
turtle.penup()
turtle.goto(-64, 120)
turtle.begin_fill()
turtle.pendown()
turtle.setheading(40)
turtle.circle(-35, 152)
turtle.circle(-100, 50)
turtle.circle(-35, 130)
turtle.circle(-100, 50)
turtle.end_fill()
# 眼珠
turtle.penup()
turtle.goto(-47, 55)
turtle.fillcolor("white")
turtle.begin_fill()
turtle.pendown()
turtle.setheading(0)
turtle.circle(25, 360)
turtle.end_fill()
turtle.penup()
turtle.goto(-45, 62)
turtle.pencolor("darkslategray")
turtle.fillcolor("darkslategray")
turtle.begin_fill()
turtle.pendown()
```

```
turtle.setheading(0)
turtle.circle(19, 360)
turtle.end_fill()
turtle.penup()
turtle.goto(-45, 68)
turtle.fillcolor("black")
turtle.begin_fill()
turtle.pendown()
turtle.setheading(0)
turtle.circle(10, 360)
turtle.end_fill()
turtle.penup()
turtle.goto(-47, 86)
turtle.pencolor("white")
turtle.fillcolor("white")
turtle.begin_fill()
turtle.pendown()
turtle.setheading(0)
turtle.circle(5, 360)
turtle.end_fill()
# 左眼
# 眼圈
turtle.penup()
turtle.goto(51, 82)
turtle.fillcolor("black")
turtle.begin_fill()
turtle.pendown()
turtle.setheading(120)
turtle.circle(-32, 152)
turtle.circle(-100, 55)
turtle.circle(-25, 120)
turtle.circle(-120, 45)
turtle.end_fill()
# 眼珠
turtle.penup()
turtle.goto(79, 60)
turtle.fillcolor("white")
turtle.begin_fill()
turtle.pendown()
turtle.setheading(0)
turtle.circle(24, 360)
turtle.end_fill()
turtle.penup()
turtle.goto(79, 64)
turtle.pencolor("darkslategray")
turtle.fillcolor("darkslategray")
turtle.begin_fill()
```

```
turtle.pendown()
turtle.setheading(0)
turtle.circle(19, 360)
turtle.end_fill()
turtle.penup()
turtle.goto(79, 70)
turtle.fillcolor("black")
turtle.begin_fill()
turtle.pendown()
turtle.setheading(0)
turtle.circle(10, 360)
turtle.end_fill()
turtle.penup()
turtle.goto(79, 88)
turtle.pencolor("white")
turtle.fillcolor("white")
turtle.begin_fill()
turtle.pendown()
turtle.setheading(0)
turtle.circle(5, 360)
turtle.end_fill()
# 鼻子
turtle.penup()
turtle.goto(37, 80)
turtle.fillcolor("black")
turtle.begin_fill()
turtle.pendown()
turtle.circle(-8, 130)
turtle.circle(-22, 100)
turtle.circle(-8, 130)
turtle.end_fill()
# 嘴
turtle.penup()
turtle.goto(-15, 48)
turtle.fillcolor("red")
turtle.setheading(-36)
turtle.begin_fill()
turtle.pensize(2)
turtle.pencolor("black")
turtle.pendown()
turtle.circle(60, 70)
turtle.setheading(-132)
turtle.circle(-45, 100)
turtle.end_fill()
# 彩虹圈
turtle.penup()
turtle.goto(-135, 120)
```

```
turtle.pensize(5)
turtle.pencolor("cyan")
turtle.pendown()
turtle.setheading(60)
turtle.circle(-165, 150)
turtle.circle(-130, 78)
turtle.circle(-250, 30)
turtle.circle(-138, 105)
turtle.penup()
turtle.goto(-131, 116)
turtle.pencolor("slateblue")
turtle.pendown()
turtle.setheading(60)
turtle.circle(-160, 144)
turtle.circle(-120, 78)
turtle.circle(-242, 30)
turtle.circle(-135, 105)
turtle.penup()
turtle.goto(-127, 112)
turtle.pencolor("orangered")
turtle.pendown()
turtle.setheading(60)
turtle.circle(-155, 136)
turtle.circle(-116, 86)
turtle.circle(-220, 30)
turtle.circle(-134, 103)
turtle.penup()
turtle.goto(-123, 108)
turtle.pencolor("gold")
turtle.pendown()
turtle.setheading(60)
turtle.circle(-150, 136)
turtle.circle(-104, 86)
turtle.circle(-220, 30)
turtle.circle(-126, 102)
turtle.penup()
turtle.goto(-120, 104)
turtle.pencolor("greenyellow")
turtle.pendown()
turtle.setheading(60)
turtle.circle(-145, 136)
turtle.circle(-90, 83)
turtle.circle(-220, 30)
turtle.circle(-120, 100)
turtle.penup()
# 爱心
turtle.penup()
```

```
turtle.goto(220, 115)
turtle.pencolor("brown")
turtle.pensize(1)
turtle.fillcolor("brown")
turtle.begin_fill()
turtle.pendown()
turtle.setheading(36)
turtle.circle(-8, 180)
turtle.circle(-60, 24)
turtle.setheading(110)
turtle.circle(-60, 24)
turtle.circle(-8, 180)
turtle.end_fill()
turtle.penup()
# 标识
turtle.pencolor("black")
turtle.goto(-25, -140)
turtle.write("Bing Dwen Dwen", font=('Arial', 10, 'bold italic'))
turtle.hideturtle()
# 标识
turtle.pencolor("black")
turtle.goto(-16, -160)
turtle.write("BEIJING 2022", font=('Arial', 10, 'bold italic'))
turtle.hideturtle()
# 五环
turtle.penup()
turtle.goto(-5, -170)
turtle.pendown()
turtle.pencolor("blue")
turtle.circle(6)
turtle.penup()
turtle.goto(10, -170)
turtle.pendown()
turtle.pencolor("black")
turtle.circle(6)
turtle.penup()
turtle.goto(25, -170)
turtle.pendown()
turtle.pencolor("brown")
turtle.circle(6)
turtle.penup()
turtle.goto(2, -175)
turtle.pendown()
turtle.pencolor("lightgoldenrod")
turtle.circle(6)
turtle.penup()
turtle.goto(16, -175)
```



```
turtle.pendown()
turtle.pencolor("green")
turtle.circle(6)
turtle.penup()

turtle.getscreen()
turtle.getcanvas().postscript(file="bingdwendwen.eps")
turtle.done()

x = Image.open('bingdwendwen.eps')
x.save("bingdwendwen.jpg")
```

2. 效果

