**纯CSS制作一个自行车车轮**

思路：

给一个div设置圆形边框 + box-shadow，子元素设置6个span，分别设为矩形，显示上下边框，给每个span添加transform旋转不同角度，做成一个静态车轮，然后给span加animation动画，做滚动效果，然后给div加一个before伪元素，用background-image绘画道路，然后做一个animation动画，使道路移动起来，大功告成！

知识点：

1. **1.定义 dom，容器中包含 6 个元素**

<div class="wheel">

<span></span>

<span></span>

<span></span>

<span></span>

<span></span>

<span></span>

</div>

1. **2.居中显示**

body {

margin: 0;

height: 100vh;

display: flex;

align-items: center;

* 1. justify-content: center;
  2. background-image: linear-gradient(#555, #222);
     1. }

1. **3.画出轮圈**
   * 1. .wheel {
   1. width: 9em;
   2. height: 9em;
   3. font-size: 25px;
   4. border: 0.4em solid #777;
   5. border-radius: 50%;
   6. box-shadow: 0 0 0 0.5em #111;
   7. }
2. **4.定义辐条的样式**
   1. .wheel {
   2. display: flex;
   3. align-items: center;
   4. justify-content: center;
   5. }
   6. .wheel span {
   7. position: absolute;
   8. width: 8em;
   9. height: 1em;
   10. border: 0.1em solid;
   11. border-color: #ccc transparent;
   12. }
3. **5.定义变量，画出多根幅条**
   1. .wheel span {
   2. transform: rotate(calc((var(--n) - 1) \* 30deg));
   3. }
   4. .wheel span:nth-child(1) {
   5. --n: 1;
   6. }
   7. .wheel span:nth-child(2) {
      1. --n: 2;
   8. }
   9. .wheel span:nth-child(3) {
   10. --n: 3;
   11. }
   12. .wheel span:nth-child(4) {
   13. --n: 4;
   14. }
   15. .wheel span:nth-child(5) {
   16. --n: 5;
   17. }
   18. .wheel span:nth-child(6) {
   19. --n: 6;
   20. }
4. **6.让车轮转动起来**
   1. .wheel span {
   2. animation: run 4s linear infinite;
   3. }
   4. @keyframes run {
   5. to {
   6. transform: rotate(calc((var(--n) - 1) \* 30deg + 360deg));
   7. }
   8. }
5. **7.用伪元素画出地面上的线条**
   1. .wheel {
   2. position: relative;
   3. }
   4. .wheel::before {
   5. content: '';
   6. position: absolute;
   7. width: 15em;
   8. height: 0.2em;
   9. top: 11em;
   10. background-image: linear-gradient(
   11. to right,
       1. silver 0, silver 4em,
   12. transparent 4em, transparent 5em,
   13. silver 5em, silver 10em,
   14. transparent 10em, transparent 12em,
   15. silver 12em, silver 14em,
   16. transparent 14em, transparent 15em
   17. );
   18. }
6. **8.让地面上的线条动起来，形成车轮向前走的效果**
   1. .wheel::before {
   2. background-position: 15em;
   3. animation: run2 6s linear infinite;
      1. }
   4. @keyframes run2 {
   5. to {
   6. background-position: -15em;
   7. }
      1. }