**🟠 1. Squash & Stretch Bouncing Ball**

Adds realism by squashing at the bottom and stretching mid-air.

<h4>Squash & Stretch Bouncing Ball</h4>

<div class="ball squash"></div>

<style>

.ball {

width: 100px;

height: 100px;

border-radius: 50%;

background-color: #FF5722;

margin: 30px;

}

.squash {

animation: bounceStretch 1s infinite alternate ease-in-out;

}

@keyframes bounceStretch {

0% {

transform: translateY(0) scaleX(1) scaleY(1);

}

50% {

transform: translateY(250px) scaleX(1.1) scaleY(0.9);

}

100% {

transform: translateY(500px) scaleX(1) scaleY(1.2);

}

}

</style>

**🔵 2. Horizontal Bounce**

Ball bounces left to right instead of up/down.

<h4>Horizontal Bouncing Ball</h4>

<div class="ball horizontal"></div>

<style>

.horizontal {

background-color: #3F51B5;

animation: bounceX 1s infinite alternate cubic-bezier(0.68, -0.55, 0.27, 1.55);

}

@keyframes bounceX {

from {

transform: translateX(0);

}

to {

transform: translateX(300px);

}

}

</style>

**🟢 3. Diagonal Bouncing Ball with Rotation**

Moves diagonally while spinning.

<h4>Diagonal Bouncing Ball with Rotation</h4>

<div class="ball diagonal"></div>

<style>

.diagonal {

background-color: #4CAF50;

animation: bounceRotate 1.2s infinite alternate ease-in-out;

}

@keyframes bounceRotate {

from {

transform: translate(0, 0) rotate(0deg);

}

to {

transform: translate(300px, 300px) rotate(360deg);

}

}

</style>

**🛒 4. Bouncing Cart Icon Animation**

<h4>Item Added to Cart</h4>

<div class="cart-icon">🛒</div>

<style>

.cart-icon {

font-size: 50px;

display: inline-block;

cursor: pointer;

animation: cartBounce 0.5s ease-out;

}

@keyframes cartBounce {

0% {

transform: scale(1) translateY(0);

}

30% {

transform: scale(1.2) translateY(-10px);

}

50% {

transform: scale(0.95) translateY(5px);

}

70% {

transform: scale(1.05) translateY(-3px);

}

100% {

transform: scale(1) translateY(0);

}

}

</style>

**5.Changing colours**

<h4>Color Changing Box</h4>

<div class="color-box"></div>

<style>

.color-box {

width: 200px;

height: 200px;

animation: myfirst 4s infinite;

-webkit-animation: myfirst 4s infinite; /\* For Safari support \*/

-o-animation: myfirst 4s infinite; /\* Opera 12 and below \*/

-moz-animation: myfirst 4s infinite;

}

@keyframes myfirst {

0% { background: red; }

25% { background: yellow; }

50% { background: blue; }

100% { background: green; }

}

@-webkit-keyframes myfirst {

0% { background: red; }

25% { background: yellow; }

50% { background: blue; }

100% { background: green; }

}

@-o-keyframes myfirst {

0% { background: red; }

25% { background: yellow; }

50% { background: blue; }

100% { background: green; }

}

@-moz-keyframes myfirst {

0% { background: red; }

25% { background: yellow; }

50% { background: blue; }

100% { background: green; }

}

</style>