<html>

<head>

<style>

body {

text-align: center;

padding-top: 50px;

transition: all 0.5s;

}

#demo {

font-size: 24px;

margin-bottom: 20px;

}

.boton {

padding: 10px 20px;

margin: 10px;

font-size: 16px;

cursor: pointer;

border: none;

border-radius: 5px;

}

#boton1 {

background-color: black;

color: white;

}

#boton2 {

background-color: white;

color: black;

}

#boton3 {

background: linear-gradient(270deg, red, blue, green, yellow);

background-size: 800% 800%;

animation: animacionColor 4s infinite;

color: white;

}

@keyframes animacionColor {

0% {background-position: 0% 50%;}

50% {background-position: 100% 50%;}

100% {background-position: 0% 50%;}

}

</style>

<script>

function modoOscuro() {

document.body.style.backgroundColor = "black";

document.body.style.color = "white";

document.getElementById("demo").innerHTML = "Modo oscuro activado";

}

function modoClaro() {

document.body.style.backgroundColor = "white";

document.body.style.color = "black";

document.getElementById("demo").innerHTML = "Modo claro activado";

}

function mostrarNombre() {

document.getElementById("demo").innerHTML = "Tu nombre aquí";

}

</script>

</head>

<body>

<p id="demo">Hola</p>

<button class="boton" id="boton1" onclick="modoOscuro()">Modo Oscuro</button>

<button class="boton" id="boton2" onclick="modoClaro()">Modo Claro</button>

<button class="boton" id="boton3" onclick="mostrarNombre()">Mostrar Nombre</button>

</body>

</html>