

Converting Colors

XYZ(33.7425, 57.5819, 39.4730)

Have a look what the booklet for
XYZ(33.7425, 57.5819, 39.4730)
contains.

XYZ(33.6977, 57.4850, 39.4566)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.6977, 57.4850,
39.4566)**

Conversions

Conversions Part 1

Format	Color
Hex	1CE399
RGB	28, 227, 153
RGB Percent	11%, 89%, 60%
CMY	0.8902, 0.1098, 0.4000
CMYK	0.88, 0.00, 0.33, 0.11
HSL	158°, 78%, 50%
HSV	158°, 88%, 89%
XYZ	33.6977, 57.4850, 39.4566
YIQ	159.0630, -94.8500, -65.2020

Conversions

Conversions Part 2

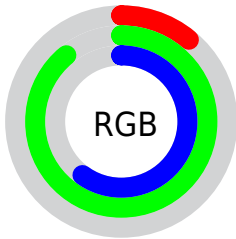
Format	Color
R_{YB}	28, 150, 227
Decimal	1893273
CIE _{Lab}	80.45, -61.86, 23.71
CIE _{LCh}	80, 66.246, 159.030
Yxy	57.4850, 0.2579, 0.4400
Android (android.graphics.Color)	4280083353 (0xFF1CE399)
YUV	159.0630, -2.9891, -114.9423
Hunter-Lab	75.8189, -53.3487, 22.2183

Details

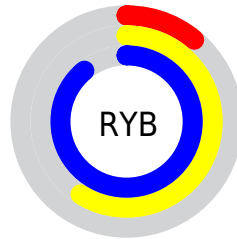
The XYZ color **33.6977, 57.4850, 39.4566** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **34.4940, 18.1219, 14.2528**, and the grayscale version is **33.0297, 34.7498, 37.8425**.

A 20% lighter version of the original color is **54.0846, 79.6515, 72.1982**, and **16.7237, 29.6890, 17.1610** is the 20% darker color. If you saturate the color by 10%, you get **32.6136, 57.0054, 35.8949**, and if you desaturate by 10%, it is **35.2930, 58.2255, 43.3023**.

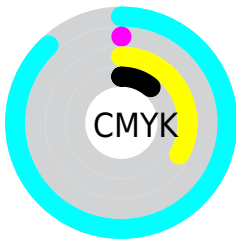
Distribution



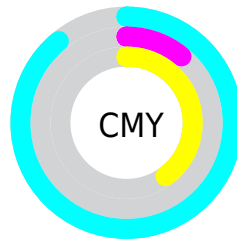
- Red (11%)
- Green (89%)
- Blue (60%)



- Red (11%)
- Yellow (59%)
- Blue (89%)



- Cyan (88%)
- Magenta (0%)
- Yellow (33%)
- Black (11%)



- Cyan (89%)
- Magenta (11%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6977, 57.4850, 39.4566 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 33.6977, 57.4850, 39.4566 by changing the saturation by 10% instead.


 33.6977, 57.4850,
39.4566


 33.6977, 57.4850,
39.4566


310.3917,
415.2642, 359.3116

 22.8232, 41.3948,
26.8046


 64.8107, 101.1725,
75.5633


 14.5830, 28.6277,
17.1954


 85.7800, 129.5386,
99.8551

 8.6117, 18.7993,
10.2104


 110.8449,
162.7654, 128.8639

 4.5438, 11.5254,
5.4313

 140.3708,
201.2373, 163.0082

 2.0142, 6.4214,
2.4393

 174.7231,
245.3388, 202.7066

 0.6419, 3.1030,
0.8077

214.2671,

 0.0000, 1.1857,

295.4541, 248.3776

0.0000

259.3682,
351.9678, 300.4398

■ 0.0000, 0.0500,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.6977, 57.4850,
39.4566

■ 33.6977, 57.4850,
39.4566

■ 32.6136, 57.0054,
35.8949


■ 35.2930, 58.2255,
43.3023


■ 32.3968, 56.9110,
35.1001


■ 37.4938, 59.2708,
47.4378

■ 40.3743, 60.6606,
51.8727


■ 43.9967, 62.4268,
56.6149

 48.4158, 64.5975,
61.6716

 53.6809, 67.1982,
67.0498

 59.8374, 70.2521,
72.7560

 66.9273, 73.7807,
78.7966

 74.9899, 77.8042,
85.1778

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.7852, 57.4850, 20.6107



33.6977, 57.4850, 39.4566



32.6891, 57.4850, 75.0815

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.6977, 57.4850, 39.4566



58.8407, 57.4850, 169.3426



77.5423, 57.4850, 26.3148

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.6977, 57.4850, 39.4566



34.4940, 18.1219, 14.2528

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7052, 57.4850, 51.5695



33.6977, 57.4850, 39.4566



72.7913, 57.4850, 140.5353

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.6977, 57.4850, 39.4566



45.8134, 57.4850, 161.6433



82.8356, 57.4850, 93.3590



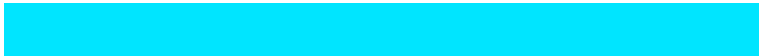
64.5282, 57.4850, 15.5037

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.6977, 57.4850, 39.4566



34.8345, 57.4850, 106.3603



82.8356, 57.4850, 93.3590



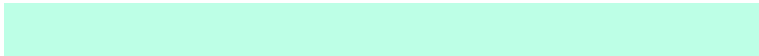
80.8047, 57.4850, 32.8570

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.6992, 57.4873, 39.4579



71.0033, 88.0330, 88.3667



33.4225, 57.9846, 10.5297



14.6457, 18.5695, 18.3766



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.6992, 57.4873, 39.4579



42.1202, 74.0641, 45.4123



35.8872, 48.8782, 80.2189



14.5682, 16.2407, 17.2570



18.9514, 33.2127, 20.7762



1.4450, 2.4721, 1.7700

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



34.4940, 18.1219, 14.2528



43.2978, 22.0831, 12.7660



33.0831, 18.8027, 2.9847



14.5975, 14.4562, 16.0809



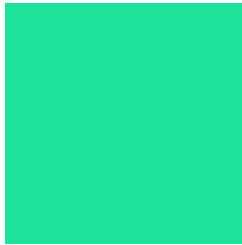
19.4697, 9.9221, 6.1022



1.4825, 0.7507, 0.6813

Previews

White Background



This preview shows how the XYZ color 33.6977, 57.4850, 39.4566 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.6977, 57.4850, 39.4566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

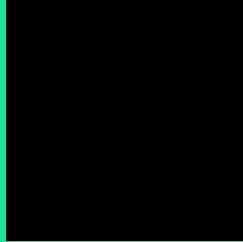
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6977, 57.4850, 39.4566

Background



This preview shows how black text looks on a background with the XYZ color 33.6977, 57.4850, 39.4566.

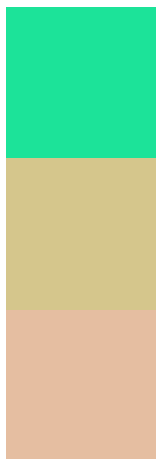


This preview shows how white text looks on a background with the XYZ color 33.6977, 57.4850,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.6977, 57.4850, 39.4566

Protanopia

52.3683, 56.4278, 32.9425

Deuteranopia

57.1596, 56.0581, 41.5259



Tritanopia

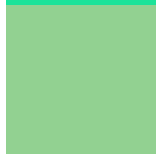
43.1438, 57.3601, 86.6396

Trichromacy



Original Color

33.6977, 57.4850, 39.4566



Protanomaly

39.7654, 53.7563, 35.0682



Deuteranomaly

41.2378, 52.2484, 40.2592



Tritanomaly

38.8625, 57.1448, 66.7394

Monochromacy



Original Color

33.6977, 57.4850, 39.4566



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

29.7818, 40.0948, 38.0677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6977, 57.4850, 39.4566 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(28, 227, 153)` looks like.

```
.text, #text, p{  
    color:rgb(28, 227, 153)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(28, 227, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 227, 153) }
```

Border

The CSS property to change the border of an element to XYZ 33.6977, 57.4850, 39.4566 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(28, 227, 153) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(28, 227, 153) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(28, 227, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 227, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 227, 153);  
box-shadow:4px 4px 4px 4px rgb(28, 227,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6977, 57.4850, 39.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 227, 153) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(28, 227,  
153) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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