

Converting Colors

XYZ(38.3135, 60.3780, 62.8647)

Have a look what the booklet for
XYZ(38.3135, 60.3780, 62.8647)
contains.

XYZ(38.4899, 60.6708, 63.1081)	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(38.4899, 60.6708,
63.1081)**

Conversions

Conversions Part 1

Format	Color
Hex	00E6C6
RGB	0, 230, 198
RGB Percent	0%, 90%, 78%
CMY	0.9998, 0.0980, 0.2235
CMYK	1.00, 0.00, 0.14, 0.10
HSL	172°, 100%, 45%
HSV	172°, 100%, 90%
XYZ	38.4899, 60.6708, 63.1081
YIQ	157.5820, -126.8080, -58.7120

Conversions

Conversions Part 2

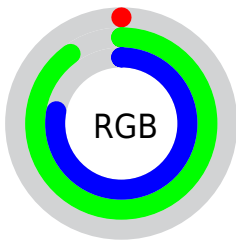
Format	Color
RYB	0, 124, 230
Decimal	59078
CIELab	82.20, -53.36, 2.56
CIELCh	82, 53.425, 177.253
Yxy	60.6708, 0.2372, 0.3739
Android (android.graphics.Color)	4278249158 (0xFF00E6C6)
YUV	157.5820, 19.9261, -138.1994
Hunter-Lab	77.8915, -48.1047, 6.4869

Details

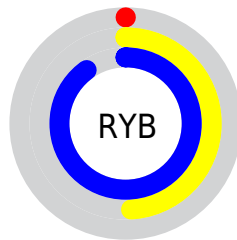
The XYZ color **38.4899, 60.6708, 63.1081** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **32.8962, 16.9292, 2.9040**, and the grayscale version is **32.2714, 33.9521, 36.9738**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.9776, 31.9008, 31.4901** is the 20% darker color. If you saturate the color by 10%, you get **38.4902, 60.6725, 63.1053**, and if you desaturate by 10%, it is **39.2187, 61.0048, 65.0915**.

Distribution



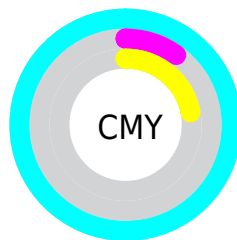
- Red (0%)
- Green (90%)
- Blue (78%)



- Red (0%)
- Yellow (49%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4899, 60.6708, 63.1081 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 38.4899, 60.6708, 63.1081 by changing the saturation by 10% instead.


 38.4899, 60.6708,
63.1081


 38.4899, 60.6708,
63.1081


330.9615,
427.0659, 454.0804


 26.5421, 43.9595,
45.4871


 72.1575, 105.8021,
110.9125


 17.3644, 30.6387,
31.4955


 94.6079, 134.9910,
141.9331


 10.5916, 20.3239,
20.7149


 121.2900,
169.1079, 178.2572

 5.8582, 12.6307,
12.7265

 152.5690,
208.5371, 220.3034

 2.7989, 7.1747,
7.1120

 188.8103,
253.6632, 268.4903

 1.0483, 3.5716,
3.4527

230.3792,

 0.0000, 1.4369,

304.8704, 323.2364

1.3302

277.6412,
362.5432, 384.9603

■ 0.0000, 0.2437,
0.0863

■ 0.0000, 0.0000,
0.0000

■ 38.4899, 60.6708,
63.1081

■ 38.4899, 60.6708,
63.1081

■ 38.4902, 60.6725,
63.1053

■ 39.2187, 61.0048,
65.0915

■ 40.3743, 61.5565,
67.1345

■ 42.0921, 62.3972,
69.2450

■ 44.4500, 63.5668,
71.4269

■ 47.5132, 65.0992,
73.6836

■ 51.3389, 67.0237,
76.0179

■ 55.9786, 69.3669,
78.4324

■ 61.4790, 72.1530,
80.9297

■ 67.8835, 75.4041,
83.5118

Harmonies

Analogous

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



41.1816, 60.6708, 37.6788



38.4899, 60.6708, 63.1081



40.3511, 60.6708, 99.0324

Triad

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



38.4899, 60.6708, 63.1081



68.2534, 60.6708, 138.7050



70.3018, 60.6708, 26.1885

Complementary

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



38.4899, 60.6708, 63.1081



32.8962, 16.9292, 2.9040

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.



79.3365, 60.6708, 41.3631



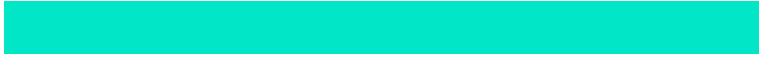
38.4899, 60.6708, 63.1081



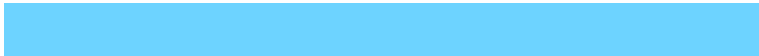
78.0490, 60.6708, 105.9891

Square

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



38.4899, 60.6708, 63.1081



56.6256, 60.6708, 150.2770



82.3408, 60.6708, 69.1029



58.7186, 60.6708, 21.2165

Rectangle

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



38.4899, 60.6708, 63.1081



44.0784, 60.6708, 123.4452



82.3408, 60.6708, 69.1029



73.7926, 60.6708, 29.9572

Sweetspot

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



38.4916, 60.6731, 63.1095



70.6180, 87.5974, 99.0559



28.9758, 56.9450, 9.4657



14.5572, 18.4674, 20.9226



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.



38.4916, 60.6731, 63.1095



48.6138, 76.6615, 79.6073



25.1139, 27.3734, 78.8253



14.7166, 16.3001, 18.0386



21.8244, 34.3619, 35.9054



1.6366, 2.5488, 2.7790

Inverse Universe

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



32.8962, 16.9292, 2.9040



41.5507, 21.3843, 3.5659



35.5424, 22.6394, 2.4980



14.4583, 14.4005, 15.3477



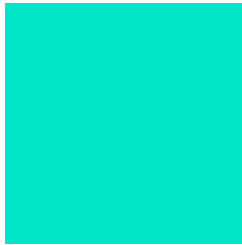
18.6488, 9.5937, 1.7796



1.4041, 0.7194, 0.2687

Previews

White Background



This preview shows how the XYZ color 38.4899, 60.6708, 63.1081 looks on a white background.

Color Contrast Check

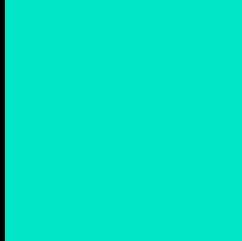
Large Text (above 18pt) WCAG AA × Fail

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 38.4899, 60.6708, 63.1081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

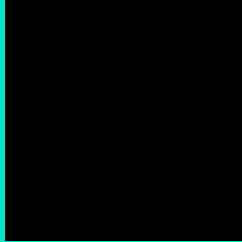
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

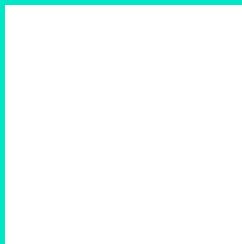
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4899, 60.6708, 63.1081

Background



This preview shows how black text looks on a background with the XYZ color 38.4899, 60.6708, 63.1081.

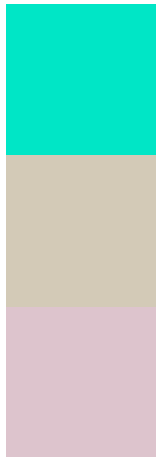


This preview shows how white text looks on a background with the XYZ color 38.4899, 60.6708,

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

38.4899, 60.6708, 63.1081

Protanopia

56.5317, 59.5088, 53.3066

Deuteranopia

60.5782, 59.2598, 66.0031



Tritanopia

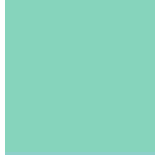
44.7326, 60.7789, 93.3782

Trichromacy



Original Color

38.4899, 60.6708, 63.1081



Protanomaly

42.4521, 55.7861, 56.1073



Deuteranomaly

44.2011, 55.0387, 64.1710



Tritanomaly

41.7989, 60.3348, 81.3943

Monochromacy



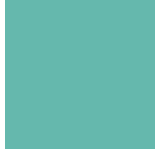
Original Color

38.4899, 60.6708, 63.1081



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.0501, 40.0648, 45.6846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4899, 60.6708, 63.1081 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(0, 230, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 198)  
}
```

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(0, 230, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 198) }
```

Border

The CSS property to change the border of an element to XYZ 38.4899, 60.6708, 63.1081 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(0, 230, 198) }
```


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

```
.border{ border-color:rgb(0, 230, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4899, 60.6708, 63.1081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 198) }
```

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

```
.background{ background-color: rgb(0, 230,  
198) }
```

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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