

Converting Colors

XYZ(38.6546, 60.6422, 65.1139)

Have a look what the booklet for
XYZ(38.6546, 60.6422, 65.1139)
contains.

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Color

**XYZ(38.8394, 60.8107,
64.9489)**

Conversions

Conversions Part 1

Format	Color
Hex	00E6C9
RGB	0, 230, 201
RGB Percent	0%, 90%, 79%
CMY	0.9998, 0.0980, 0.2118
CMYK	1.00, 0.00, 0.13, 0.10
HSL	172°, 100%, 45%
HSV	172°, 100%, 90%
XYZ	38.8394, 60.8107, 64.9489
YIQ	157.9240, -127.7710, -57.7790

Conversions

Conversions Part 2

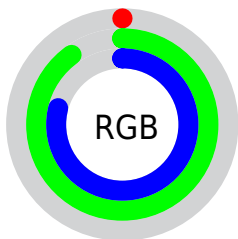
Format	Color
RYB	0, 123, 230
Decimal	59081
CIELab	82.28, -52.57, 1.08
CIELCh	82, 52.584, 178.818
Yxy	60.8107, 0.2360, 0.3694
Android (android.graphics.Color)	4278249161 (0xFF00E6C9)
YUV	157.9240, 21.2365, -138.4993
Hunter-Lab	77.9812, -47.5632, 5.2055

Details

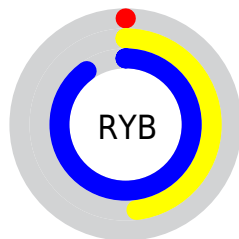
The XYZ color **38.8394, 60.8107, 64.9489** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **32.8570, 16.9134, 2.6980**, and the grayscale version is **32.4194, 34.1078, 37.1434**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **20.2100, 31.9937, 32.7140** is the 20% darker color. If you saturate the color by 10%, you get **38.8400, 60.8125, 64.9472**, and if you desaturate by 10%, it is **39.5395, 61.1332, 66.7813**.

Distribution



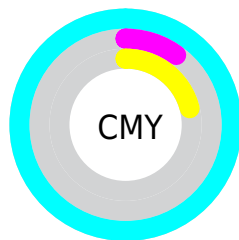
- Red (0%)
- Green (90%)
- Blue (79%)



- Red (0%)
- Yellow (48%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8394, 60.8107, 64.9489 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 38.8394, 60.8107, 64.9489 by changing the saturation by 10% instead.


 38.8394, 60.8107,
64.9489


 38.8394, 60.8107,
64.9489

332.4261,
427.5796, 460.9095


 26.8150, 44.0724,
46.9686


 72.6886, 106.0048,
113.5890

 17.5702, 30.7274,
32.6566


 95.2440, 135.2294,
145.0858


 10.7397, 20.3914,
21.5946


 122.0405,
169.3849, 181.9251

 5.9581, 12.6799,
13.3638

 153.4434,
208.8557, 224.5256

 2.8600, 7.2085,
7.5459

 189.8180,
254.0261, 273.3058

 1.0802, 3.5928,
3.7222

231.5298,

 0.0084, 1.4485,

305.2807, 328.6841

1.4742

278.9441,
363.0037, 391.0792

■ 0.0000, 0.2521,
0.1986

■ 0.0000, 0.0000,
0.0000

■ 38.8394, 60.8107,
64.9489

■ 38.8394, 60.8107,
64.9489

■ 38.8400, 60.8125,
64.9472

■ 39.5395, 61.1332,
66.7813

■ 40.6648, 61.6728,
68.6661

■ 42.3510, 62.5008,
70.6112

■ 44.6757, 63.6571,
72.6203

■ 47.7044, 65.1757,
74.6967

■ 51.4942, 67.0858,
76.8433

■ 56.0965, 69.4140,
79.0626

■ 61.5581, 72.1844,
81.3570

■ 67.9222, 75.4194,
83.7287

Harmonies

Analogous

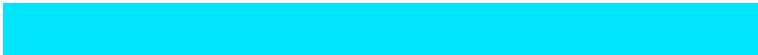
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.2706, 60.8107, 39.1495



38.8394, 60.8107, 64.9489



40.9169, 60.8107, 100.5929

Triad

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



38.8394, 60.8107, 64.9489



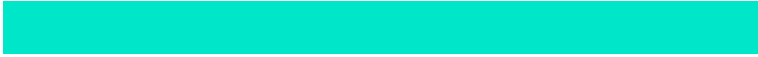
68.8072, 60.8107, 136.2380



69.6747, 60.8107, 26.2374

Complementary

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



38.8394, 60.8107, 64.9489



32.8570, 16.9134, 2.6980

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.



78.7827, 60.8107, 40.7219



38.8394, 60.8107, 64.9489



78.2380, 60.8107, 103.5321

Square

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



38.8394, 60.8107, 64.9489



57.3558, 60.8107, 148.9424



82.0995, 60.8107, 67.4924



58.2439, 60.8107, 21.7263

Rectangle

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



38.8394, 60.8107, 64.9489



44.7529, 60.8107, 124.2863



82.0995, 60.8107, 67.4924



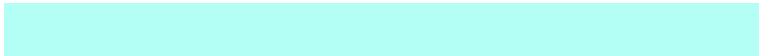
73.1614, 60.8107, 29.8106

Sweetspot

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



38.8411, 60.8130, 64.9503



70.7703, 87.6583, 99.8581



28.8542, 56.8824, 9.4598



14.5941, 18.4822, 21.1169



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.



38.8411, 60.8130, 64.9503



49.0578, 76.8391, 81.9452



24.5141, 26.1741, 78.6256



14.7251, 16.3035, 18.0831



22.0198, 34.4400, 36.9344



1.6492, 2.5538, 2.8453

Inverse Universe

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



32.8570, 16.9134, 2.6980



41.5029, 21.3652, 3.3143



35.8329, 23.2204, 2.5945



14.4506, 14.3974, 15.3072



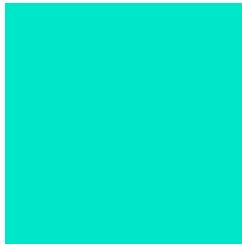
18.6248, 9.5842, 1.6535



1.4005, 0.7179, 0.2495

Previews

White Background



This preview shows how the XYZ color 38.8394, 60.8107, 64.9489 looks on a white background.

Color Contrast Check

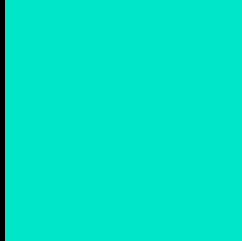
Large Text (above 18pt) WCAG AA × Fail

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 38.8394, 60.8107, 64.9489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

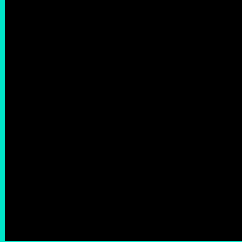
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

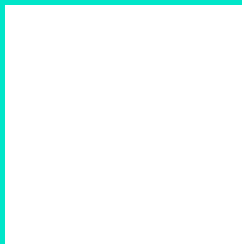
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8394, 60.8107, 64.9489

Background



This preview shows how black text looks on a background with the XYZ color 38.8394, 60.8107, 64.9489.

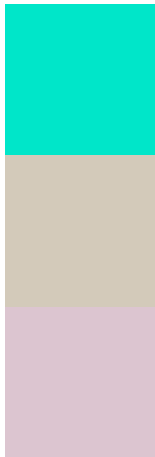


This preview shows how white text looks on a background with the XYZ color 38.8394, 60.8107,

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

38.8394, 60.8107, 64.9489

Protanopia

56.8474, 59.6351, 54.9689

Deuteranopia

60.8666, 59.7022, 67.9902



Tritanopia

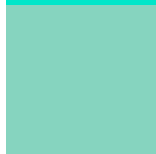
44.6693, 60.7462, 93.3753

Trichromacy



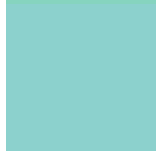
Original Color

38.8394, 60.8107, 64.9489



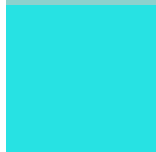
Protanomaly

42.7790, 55.9169, 57.8286



Deuteranomaly

44.6351, 55.5842, 66.1339



Tritanomaly

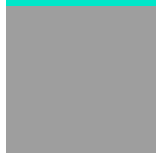
41.8982, 60.3701, 82.1174

Monochromacy



Original Color

38.8394, 60.8107, 64.9489



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.1473, 40.1037, 46.1963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8394, 60.8107, 64.9489 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 201) }
```

Border

The CSS property to change the border of an element to XYZ 38.8394, 60.8107, 64.9489 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, 201) }
```


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

```
.border{ border-color:rgb(0, 230, 201) }
```

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, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8394, 60.8107, 64.9489 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, 201) }
```

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

```
.background{ background-color: rgb(0, 230,  
201) }
```

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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