

Converting Colors

XYZ(39.8299, 64.5733, 48.8638)

Have a look what the booklet for
XYZ(39.8299, 64.5733, 48.8638)
contains.

XYZ(39.8816, 64.6669, 48.9081)	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(39.8816, 64.6669,
48.9081)**

Conversions

Conversions Part 1

Format	Color
Hex	42EDAB
RGB	66, 237, 171
RGB Percent	26%, 93%, 67%
CMY	0.7412, 0.0706, 0.3294
CMYK	0.72, 0.00, 0.28, 0.07
HSL	157°, 83%, 59%
HSV	157°, 72%, 93%
XYZ	39.8816, 64.6669, 48.9081
YIQ	178.3470, -80.7300, -56.7780

Conversions

Conversions Part 2

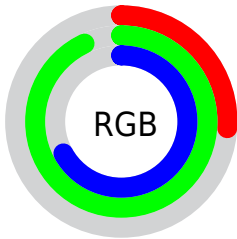
Format	Color
RYB	66, 172, 237
Decimal	4386219
CIELab	84.31, -58.05, 19.78
CIElCh	84, 61.332, 161.183
Yxy	64.6669, 0.2599, 0.4214
Android (android.graphics.Color)	4282576299 (0xFF42EDAB)
YUV	178.3470, -3.6221, -98.5283
Hunter-Lab	80.4157, -52.2017, 20.2314

Details

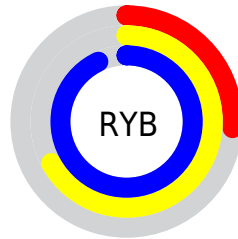
The XYZ color **39.8816, 64.6669, 48.9081** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted spring green. A complement of this color would be **41.0402, 23.5683, 24.2181**, and the grayscale version is **42.5516, 44.7676, 48.7519**.

A 20% lighter version of the original color is **59.6168, 82.2169, 85.4004**, and **19.6510, 33.9744, 22.9748** is the 20% darker color. If you saturate the color by 10%, you get **37.7613, 63.6728, 44.4145**, and if you desaturate by 10%, it is **42.7267, 66.0310, 53.7535**.

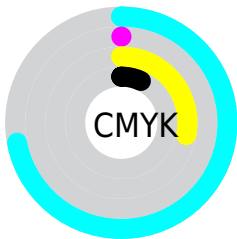
Distribution



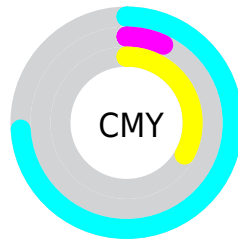
- Red (26%)
- Green (93%)
- Blue (67%)



- Red (26%)
- Yellow (67%)
- Blue (93%)



- Cyan (72%)
- Magenta (0%)
- Yellow (28%)
- Black (7%)





- Cyan (74%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8816, 64.6669, 48.9081 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 39.8816, 64.6669, 48.9081 by changing the saturation by 10% instead.


 39.8816, 64.6669,
48.9081


 39.8816, 64.6669,
48.9081


336.7673,
441.5940, 398.9925


 27.6300, 47.1910,
34.1815


 74.2687, 111.5708,
89.9345


 18.1860, 33.1867,
22.7546


 97.1349, 141.7677,
117.0714

 11.1841, 22.2695,
14.2088

 124.2701,
176.9736, 149.1822

 6.2590, 14.0551,
8.1256

 156.0395,
217.5731, 186.6853

 3.0454, 8.1590,
4.0865

192.8086,
263.9505, 229.9994

 1.1778, 4.1968,
1.6729

234.9427,

 0.0887, 1.7843,

316.4902, 279.5429

0.3421

282.8071,
375.5765, 335.7344

■ 0.0000, 0.4773,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.8816, 64.6669,
48.9081

■ 39.8816, 64.6669,
48.9081

■ 37.7613, 63.6728,
44.4145

■ 42.7267, 66.0310,
53.7535


■ 36.2718, 62.9954,
40.2577


■ 46.3654, 67.7954,
58.9559


■ 35.4369, 62.6313,
37.2226


■ 50.8638, 69.9958,
64.5257


■ 56.2795, 72.6617,
70.4715

 62.6648, 75.8200,
76.8013

 70.0683, 79.4955,
83.5229

 78.5347, 83.7113,
90.6438

 87.8825, 88.3736,
98.1609

 89.3080, 88.9438,
105.6672

Harmonies

Analogous

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



45.7999, 64.6669, 27.7426



39.8816, 64.6669, 48.9081



39.2099, 64.6669, 85.9610

Triad

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



39.8816, 64.6669, 48.9081



66.6774, 64.6669, 172.4261



83.3253, 64.6669, 31.7081

Complementary

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



39.8816, 64.6669, 48.9081



41.0402, 23.5683, 24.2181

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.



90.8592, 64.6669, 56.8598



39.8816, 64.6669, 48.9081



80.3452, 64.6669, 143.1728

Square

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



39.8816, 64.6669, 48.9081



53.4076, 64.6669, 167.7787



89.6946, 64.6669, 97.4417



70.2923, 64.6669, 20.6443

Rectangle

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



39.8816, 64.6669, 48.9081



41.6929, 64.6669, 116.7537



89.6946, 64.6669, 97.4417



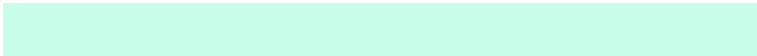
86.6660, 64.6669, 38.3117

Sweetspot

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



39.8833, 64.6695, 48.9096



74.0442, 89.5515, 90.7334



41.1649, 66.0657, 15.7373



15.3837, 18.9375, 18.9752



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.



39.8833, 64.6695, 48.9096



43.5883, 74.7243, 49.8450



43.1018, 58.4091, 89.1262



15.2570, 17.0176, 18.0363



19.4126, 34.2195, 20.6696



1.5712, 2.7058, 1.8696

Inverse Universe

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



41.0402, 23.5683, 24.2181



45.1045, 23.6827, 19.5772



39.0112, 24.6011, 7.8473



15.3061, 15.1503, 16.8973



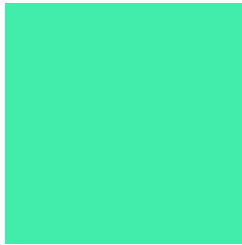
20.1695, 10.2705, 6.6940



1.6296, 0.8248, 0.7668

Previews

White Background



This preview shows how the XYZ color 39.8816, 64.6669, 48.9081 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 39.8816, 64.6669, 48.9081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

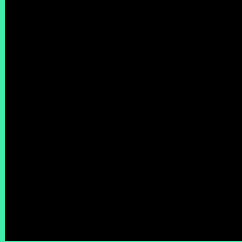
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8816, 64.6669, 48.9081

Background



This preview shows how black text looks on a background with the XYZ color 39.8816, 64.6669, 48.9081.

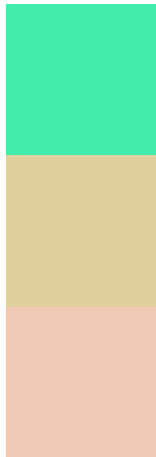


This preview shows how white text looks on a background with the XYZ color 39.8816, 64.6669,

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

39.8816, 64.6669, 48.9081

Protanopia

59.1589, 63.2683, 41.4418

Deuteranopia

64.6199, 63.3787, 51.4753



Tritanopia

49.2492, 64.2446, 96.9935

Trichromacy



Original Color

39.8816, 64.6669, 48.9081



Protanomaly

47.6683, 61.4144, 43.9921



Deuteranomaly

49.7875, 60.4578, 50.1197



Tritanomaly

45.2926, 64.2925, 77.0404

Monochromacy



Original Color

39.8816, 64.6669, 48.9081



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.4778, 49.2604, 48.0376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8816, 64.6669, 48.9081 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(66, 237, 171)` looks like.

```
.text, #text, p{  
    color:rgb(66, 237, 171)  
}
```

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(66, 237, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 237, 171) }
```

Border

The CSS property to change the border of an element to XYZ 39.8816, 64.6669, 48.9081 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(66, 237, 171) }
```


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

```
.border{ border-color:rgb(66, 237, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 237, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 237, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 237, 171);  
box-shadow:4px 4px 4px 4px rgb(66, 237,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8816, 64.6669, 48.9081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 237, 171) }
```

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

```
.background{ background-color: rgb(66, 237,  
171) }
```

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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