

Converting Colors

XYZ(24.4770, 38.6178, 39.7305)

Have a look what the booklet for
XYZ(24.4770, 38.6178, 39.7305)
contains.

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Color

**XYZ(24.4788, 38.5719,
39.8732)**

Conversions

Conversions Part 1

Format	Color
Hex	05BCA1
RGB	5, 188, 161
RGB Percent	2%, 74%, 63%
CMY	0.9803, 0.2627, 0.3686
CMYK	0.97, 0.00, 0.14, 0.26
HSL	171°, 95%, 38%
HSV	171°, 97%, 74%
XYZ	24.4788, 38.5719, 39.8732
YIQ	130.2050, -100.4010, -47.1930

Conversions

Conversions Part 2

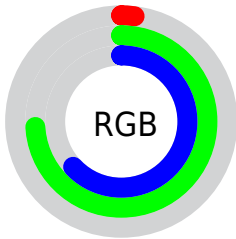
Format	Color
RYB	5, 104, 188
Decimal	375969
CIELab	68.44, -45.85, 2.50
CIELCh	68, 45.916, 176.881
Yxy	38.5719, 0.2378, 0.3748
Android (android.graphics.Color)	4278566049 (0xFF05BCA1)
YUV	130.2050, 15.1819, -109.8048
Hunter-Lab	62.1063, -38.3313, 5.4093

Details

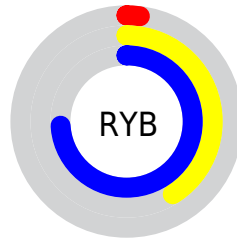
The XYZ color **24.4788, 38.5719, 39.8732** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.0554, 10.9052, 2.3635**, and the grayscale version is **21.2671, 22.3746, 24.3659**.

A 20% lighter version of the original color is **50.3026, 72.9720, 76.3995**, and **11.3396, 18.1760, 17.6625** is the 20% darker color. If you saturate the color by 10%, you get **24.3518, 38.5149, 39.5278**, and if you desaturate by 10%, it is **25.0370, 38.8320, 41.1916**.

Distribution



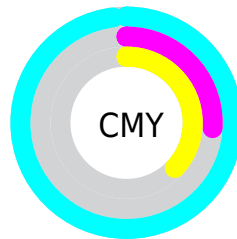
- Red (2%)
- Green (74%)
- Blue (63%)



- Red (2%)
- Yellow (41%)
- Blue (74%)



- Cyan (97%)
- Magenta (0%)
- Yellow (14%)
- Black (26%)





- Cyan (98%)
- Magenta (26%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.4788, 38.5719, 39.8732 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 24.4788, 38.5719, 39.8732 by changing the saturation by 10% instead.


 24.4788, 38.5719,
39.8732


 24.4788, 38.5719,
39.8732


267.6281,
340.0669, 361.1250


 15.8158, 26.4269,
27.1267


 50.2594, 72.9839,
76.2054


 9.4839, 17.1432,
17.4351


 68.1078, 96.0196,
100.6281


 5.1178, 10.3367,
10.3800


 89.7487, 123.4543,
129.7799

 2.3520, 5.6228,
5.5427

 115.5474,
155.6724, 164.0794

 0.8211, 2.6171,
2.5048

 145.8693,
193.0584, 203.9451

 0.0000, 0.9353,
0.8427

181.0799,

 0.0000, 0.0000,

235.9965, 249.7956

0.0000

221.5443,
284.8712, 302.0494

■ 24.4788, 38.5719,
39.8732

■ 24.4788, 38.5719,
39.8732

■ 24.3518, 38.5149,
39.5278

■ 25.0370, 38.8320,
41.1916

■ 25.8980, 39.2466,
42.5519

■ 27.1265, 39.8501,
43.9581

■ 28.7670, 40.6653,
45.4124

■ 30.8576, 41.7119,
46.9169

■ 33.4319, 43.0073,
48.4732

■ 36.5204, 44.5670,
50.0830

■ 40.1511, 46.4056,
51.7476

■ 44.3497, 48.5363,
53.4687

Harmonies

Analogous

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



26.2251, 38.5719, 23.8131



24.4788, 38.5719, 39.8732



25.6259, 38.5719, 62.6491

Triad

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



24.4788, 38.5719, 39.8732



43.2996, 38.5719, 88.3474



44.7770, 38.5719, 16.7339

Complementary

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



24.4788, 38.5719, 39.8732



21.0554, 10.9052, 2.3635

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.



50.4821, 38.5719, 26.4716



24.4788, 38.5719, 39.8732



49.5536, 38.5719, 67.6661

Square

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



24.4788, 38.5719, 39.8732



35.9117, 38.5719, 95.4842



52.3346, 38.5719, 44.1975



37.4215, 38.5719, 13.5036

Rectangle

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



24.4788, 38.5719, 39.8732



27.9719, 38.5719, 78.1941



52.3346, 38.5719, 44.1975



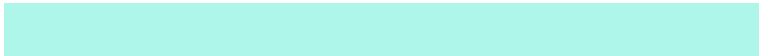
46.9866, 38.5719, 19.1575

Sweetspot

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



24.4799, 38.5734, 39.8741



64.9026, 80.1197, 90.1301



18.6218, 36.2934, 6.1681



13.4369, 16.9667, 19.1136



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.4799, 38.5734, 39.8741



44.0605, 69.7713, 71.2564



16.3430, 18.0688, 50.2049



9.7464, 10.7847, 11.9141



16.6009, 26.2306, 27.0249



0.6670, 1.0342, 1.1467

Inverse Universe

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



21.0554, 10.9052, 2.3635



37.9068, 19.5047, 3.4459



22.8995, 14.9672, 1.8263



9.5860, 9.5587, 10.2089



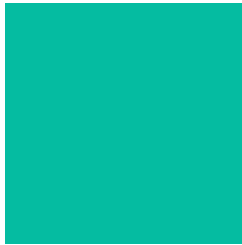
14.2782, 7.3424, 1.4928



0.5778, 0.2950, 0.1562

Previews

White Background



This preview shows how the XYZ color 24.4788, 38.5719, 39.8732 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 24.4788, 38.5719, 39.8732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

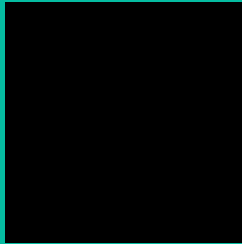
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

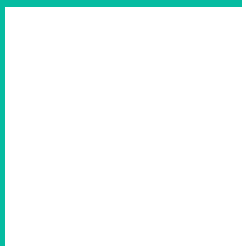
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.4788, 38.5719, 39.8732

Background



This preview shows how black text looks on a background with the XYZ color 24.4788, 38.5719, 39.8732.

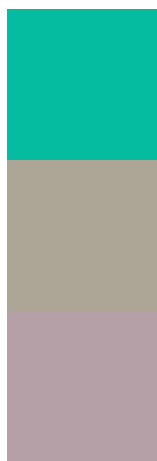


This preview shows how white text looks on a background with the XYZ color 24.4788, 38.5719,

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

24.4788, 38.5719, 39.8732

Protanopia

36.1135, 37.9644, 33.8583

Deuteranopia

38.6019, 37.7554, 41.8122



Tritanopia

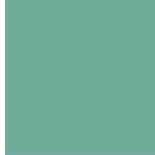
28.5427, 38.6743, 59.3866

Trichromacy



Original Color

24.4788, 38.5719, 39.8732



Protanomaly

27.3754, 35.6318, 35.5718



Deuteranomaly

28.5024, 35.2480, 40.8986



Tritanomaly

26.7991, 38.5580, 51.9289

Monochromacy



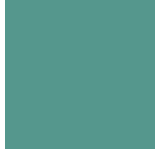
Original Color

24.4788, 38.5719, 39.8732



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

19.6206, 25.9876, 29.1813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4788, 38.5719, 39.8732 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(5, 188, 161)` looks like.

```
.text, #text, p{  
    color:rgb(5, 188, 161)  
}
```

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(5, 188, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 188, 161) }
```

Border

The CSS property to change the border of an element to XYZ 24.4788, 38.5719, 39.8732 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(5, 188, 161) }
```


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

```
.border{ border-color:rgb(5, 188, 161) }
```

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

Here you see how a box with a 4 pixel rgb(5, 188, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 188, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 188, 161);  
box-shadow:4px 4px 4px 4px rgb(5, 188,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4788, 38.5719, 39.8732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 188, 161) }
```

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

```
.background{ background-color: rgb(5, 188,  
161) }
```

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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