

Converting Colors

XYZ(24.4744, 38.8027, 39.4368)

Have a look what the booklet for
XYZ(24.4744, 38.8027, 39.4368)
contains.

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Color

**XYZ(24.5428, 38.9333,
39.4790)**

Conversions

Conversions Part 1

Format	Color
Hex	00BDA0
RGB	0, 189, 160
RGB Percent	0%, 74%, 63%
CMY	0.9999, 0.2588, 0.3725
CMYK	1.00, 0.00, 0.15, 0.26
HSL	171°, 100%, 37%
HSV	171°, 100%, 74%
XYZ	24.5428, 38.9333, 39.4790
YIQ	129.1830, -103.3350, -49.0870

Conversions

Conversions Part 2

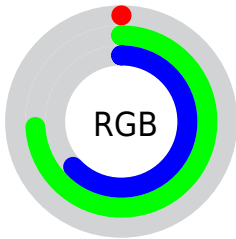
Format	Color
RYB	0, 102, 189
Decimal	48544
CIELab	68.70, -46.70, 3.42
CIELCh	69, 46.830, 175.806
Yxy	38.9333, 0.2384, 0.3782
Android (android.graphics.Color)	4278238624 (0xFF00BDA0)
YUV	129.1830, 15.1928, -113.2935
Hunter-Lab	62.3966, -38.9835, 6.1641

Details

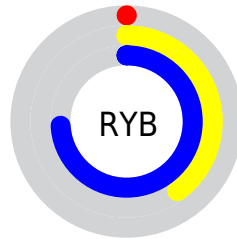
The XYZ color **24.5428, 38.9333, 39.4790** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.2095, 10.9087, 2.1521**, and the grayscale version is **20.9083, 21.9972, 23.9549**.

A 20% lighter version of the original color is **50.3671, 73.4705, 75.8166**, and **11.4243, 18.4321, 17.4236** is the 20% darker color. If you saturate the color by 10%, you get **24.5431, 38.9344, 39.4778**, and if you desaturate by 10%, it is **25.0675, 39.1751, 40.8447**.

Distribution



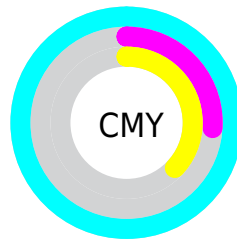
- Red (0%)
- Green (74%)
- Blue (63%)



- Red (0%)
- Yellow (40%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5428, 38.9333, 39.4790 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 24.5428, 38.9333, 39.4790 by changing the saturation by 10% instead.


 24.5428, 38.9333,
39.4790


 24.5428, 38.9333,
39.4790


267.9432,
341.6068, 359.4093


 15.8637, 26.7078,
26.8219


 50.3628, 73.5364,
75.5979


 9.5180, 17.3539,
17.2082


 68.2344, 96.6829,
99.8967

 5.1403, 10.4872,
10.2195

 89.9008, 124.2384,
128.9132

 2.3654, 5.7231,
5.4373

 115.7274,
156.5875, 163.0659

 0.8278, 2.6775,
2.4428

 146.0796,
194.1145, 202.7733

 0.0000, 0.9658,
0.8096

181.3227,

 0.0000, 0.0000,

237.2038, 248.4540

0.0000

221.8221,
286.2398, 300.5265

■ 24.5428, 38.9333,
39.4790

■ 24.5428, 38.9333,
39.4790

■ 24.5431, 38.9344,
39.4778

■ 25.0675, 39.1751,
40.8447

■ 25.8562, 39.5513,
42.2529

■ 27.0039, 40.1119,
43.7093

■ 28.5579, 40.8813,
45.2163

■ 30.5583, 41.8801,
46.7758

■ 33.0402, 43.1264,
48.3898

■ 36.0353, 44.6366,
50.0599

■ 39.5726, 46.4255,
51.7877

■ 43.6787, 48.5070,
53.5747

Harmonies

Analogous

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



26.4322, 38.9333, 23.3554



24.5428, 38.9333, 39.4790



25.6089, 38.9333, 62.7385

Triad

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



24.5428, 38.9333, 39.4790



43.5564, 38.9333, 90.7241



45.5981, 38.9333, 16.8160

Complementary

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



24.5428, 38.9333, 39.4790



21.2095, 10.9087, 2.1521

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.



51.3616, 38.9333, 27.0015



24.5428, 38.9333, 39.4790



50.0768, 38.9333, 69.6884

Square

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



24.5428, 38.9333, 39.4790



35.9734, 38.9333, 97.4570



53.1004, 38.9333, 45.4443



38.0560, 38.9333, 13.3406

Rectangle

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



24.5428, 38.9333, 39.4790



27.9399, 38.9333, 78.8689



53.1004, 38.9333, 45.4443



47.8450, 38.9333, 19.3597

Sweetspot

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



24.5439, 38.9348, 39.4799



64.2488, 79.7958, 89.5036



18.7794, 36.6961, 6.0941



13.3096, 16.9040, 18.9740



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.



24.5439, 38.9348, 39.4799



43.8827, 69.7002, 70.3201



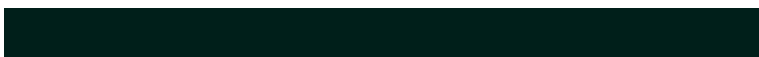
16.6484, 18.5992, 50.8584



9.7439, 10.7837, 11.9011



16.5356, 26.2045, 26.6810



0.6650, 1.0334, 1.1361

Inverse Universe

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



21.2095, 10.9087, 2.1521



37.9294, 19.5137, 3.5649



22.7658, 14.3766, 1.5759



9.5883, 9.5596, 10.2208



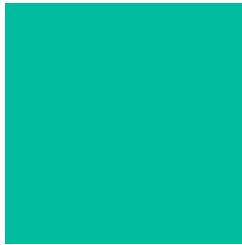
14.2879, 7.3463, 1.5435



0.5788, 0.2954, 0.1614

Previews

White Background



This preview shows how the XYZ color 24.5428, 38.9333, 39.4790 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 24.5428, 38.9333, 39.4790 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

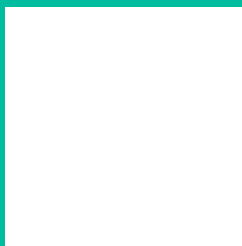
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.5428, 38.9333, 39.4790

Background



This preview shows how black text looks on a background with the XYZ color 24.5428, 38.9333, 39.4790.



This preview shows how white text looks on a background with the XYZ color 24.5428, 38.9333,

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

24.5428, 38.9333, 39.4790

Protanopia

36.4371, 38.4092, 33.5103

Deuteranopia

38.9192, 38.1880, 41.3961



Tritanopia

28.9175, 39.1614, 60.0676

Trichromacy



Original Color

24.5428, 38.9333, 39.4790



Protanomaly

27.3591, 35.9186, 35.1968



Deuteranomaly

28.4662, 35.5192, 40.4775



Tritanomaly

26.9755, 38.9607, 51.9973

Monochromacy



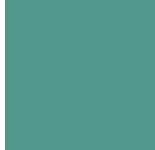
Original Color

24.5428, 38.9333, 39.4790



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

19.2799, 25.8205, 28.7786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5428, 38.9333, 39.4790 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, 189, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 160)  
}
```

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, 189, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 160) }
```

Border

The CSS property to change the border of an element to XYZ 24.5428, 38.9333, 39.4790 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, 189, 160) }
```


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

```
.border{ border-color:rgb(0, 189, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5428, 38.9333, 39.4790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 160) }
```

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

```
.background{ background-color: rgb(0, 189,  
160) }
```

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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