

Converting Colors

XYZ(29.6901, 39.7118, 45.8647)

Have a look what the booklet for
XYZ(29.6901, 39.7118, 45.8647)
contains.

XYZ(29.5133, 39.4808, 45.6002)	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(29.5133, 39.4808,
45.6002)**

Conversions

Conversions Part 1

Format	Color
Hex	62B7AD
RGB	98, 183, 173
RGB Percent	38%, 72%, 68%
CMY	0.6157, 0.2823, 0.3216
CMYK	0.46, 0.00, 0.05, 0.28
HSL	173°, 37%, 55%
HSV	173°, 46%, 72%
XYZ	29.5133, 39.4808, 45.6002
YIQ	156.4450, -47.4500, -21.1300

Conversions

Conversions Part 2

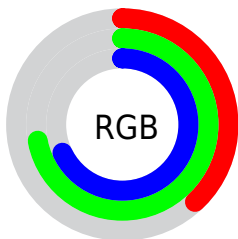
Format	Color
RYB	98, 143, 183
Decimal	6469549
CIELab	69.10, -28.22, -2.91
CIELCh	69, 28.371, 185.895
Yxy	39.4808, 0.2575, 0.3445
Android (android.graphics.Color)	4284659629 (0xFF62B7AD)
YUV	156.4450, 8.1616, -51.2563
Hunter-Lab	62.8337, -26.1168, 0.9552

Details

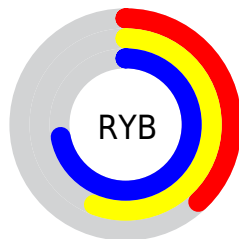
The XYZ color **29.5133, 39.4808, 45.6002** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.6042, 19.8864, 16.6250**, and the grayscale version is **31.7796, 33.4346, 36.4103**.

A 20% lighter version of the original color is **58.1965, 74.2045, 84.6544**, and **12.3089, 17.7969, 20.8755** is the 20% darker color. If you saturate the color by 10%, you get **27.5536, 38.4954, 44.4302**, and if you desaturate by 10%, it is **31.9301, 40.7034, 46.8108**.

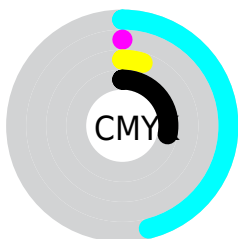
Distribution



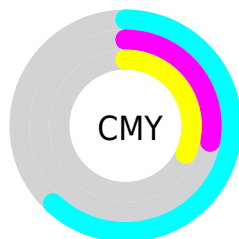
- Red (38%)
- Green (72%)
- Blue (68%)



- Red (38%)
- Yellow (56%)
- Blue (72%)



- Cyan (46%)
- Magenta (0%)
- Yellow (5%)
- Black (28%)



- Cyan (62%)
- Magenta (28%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5133, 39.4808, 45.6002 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 29.5133, 39.4808, 45.6002 by changing the saturation by 10% instead.

■ 29.5133, 39.4808,
45.6002

■ 29.5133, 39.4808,
45.6002

291.5799,
343.9303, 385.4298

■ 19.6157, 27.1340,
31.5841

■ 58.2836, 74.3722,
84.9483

■ 12.2226, 17.6739,
20.7818

■ 77.8869, 97.6856,
111.1174

■ 6.9688, 10.7161,
12.7749

■ 101.4563,
125.4233, 142.1745

■ 3.4887, 5.8763,
7.1448

■ 129.3569,
157.9698, 178.5382

■ 1.4172, 2.7700,
3.4730

161.9543,
195.7093, 220.6270

■ 0.2684, 1.0129,
1.3409

199.6136,

■ 0.0000, 0.0000,

239.0263, 268.8595

0.0950

242.7004,
288.3052, 323.6543

■ 0.0000, 0.0000,
0.0000

■ 29.5133, 39.4808,
45.6002

■ 29.5133, 39.4808,
45.6002

■ 27.5536, 38.4954,
44.4302

■ 31.9301, 40.7034,
46.8108

■ 26.0163, 37.7264,
43.2967

■ 34.8287, 42.1730,
48.0607

■ 24.8674, 37.1572,
42.1986

■ 38.2364, 43.9047,
49.3521

■ 24.0661, 36.7669,
41.1341

■ 42.1770, 45.9107,
50.6863

■ 23.5580, 36.5273,
40.1006

■ 46.6733, 48.2028,
52.0643

■ 23.4087, 36.4581,
39.7390

■ 51.7464, 50.7918,
53.4872

■ 57.4164, 53.6882,
54.9561

■ 63.7026, 56.9018,
56.4719

■ 67.7310, 58.9511,
57.9002

Harmonies

Analogous

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



30.1252, 39.4808, 33.5864



29.5133, 39.4808, 45.6002



30.9043, 39.4808, 59.3287

Triad

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



29.5133, 39.4808, 45.6002



42.8654, 39.4808, 66.5191



41.1950, 39.4808, 24.0066

Complementary

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



29.5133, 39.4808, 45.6002



26.6042, 19.8864, 16.6250

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.



45.0303, 39.4808, 29.9621



29.5133, 39.4808, 45.6002



46.0477, 39.4808, 53.9980

Square

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



29.5133, 39.4808, 45.6002



38.4267, 39.4808, 72.8703



46.8701, 39.4808, 40.4773



36.6381, 39.4808, 22.6478

Rectangle

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



29.5133, 39.4808, 45.6002



32.8517, 39.4808, 67.1185



46.8701, 39.4808, 40.4773



42.6224, 39.4808, 25.4692

Sweetspot

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



29.5144, 39.4824, 45.6011



69.9583, 79.3825, 88.9083



25.4870, 38.0228, 17.5518



15.1337, 17.3714, 19.5249



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.5144, 39.4824, 45.6011



49.1978, 68.8675, 79.4723



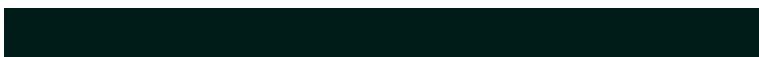
24.7866, 28.4193, 48.9806



9.2199, 10.1920, 11.3156



16.3462, 25.4394, 27.8085



0.5892, 0.9020, 1.0486

Inverse Universe

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



26.6042, 19.8864, 16.6250



43.3489, 29.3562, 21.1423



29.6066, 26.6949, 15.1482



9.0465, 9.0290, 9.5920



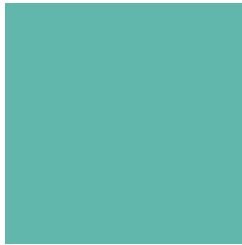
13.7351, 7.0678, 1.2257



0.4983, 0.2548, 0.1177

Previews

White Background



This preview shows how the XYZ color 29.5133, 39.4808, 45.6002 looks on a white background.

Color Contrast Check

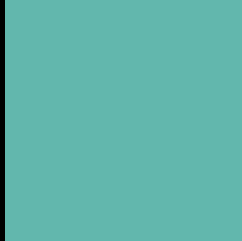
Large Text (above 18pt) WCAG AA × Fail

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 29.5133, 39.4808, 45.6002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

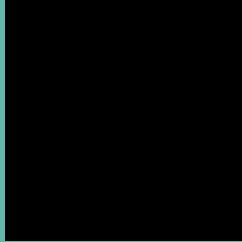
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.5133, 39.4808, 45.6002

Background



This preview shows how black text looks on a background with the XYZ color 29.5133, 39.4808, 45.6002.



This preview shows how white text looks on a background with the XYZ color 29.5133, 39.4808,

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

29.5133, 39.4808, 45.6002

Protanopia

37.5328, 39.0884, 40.6886

Deuteranopia

39.8554, 39.0720, 47.0360



Tritanopia

31.7678, 39.4806, 56.9851

Trichromacy



Original Color

29.5133, 39.4808, 45.6002

Protanomaly

33.5957, 38.6969, 42.2578

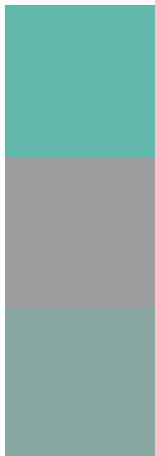
Deuteranomaly

34.7889, 38.3681, 46.6465

Tritanomaly

30.8663, 39.4177, 52.4359

Monochromacy



Original Color

29.5133, 39.4808, 45.6002

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.1495, 35.0320, 39.3552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5133, 39.4808, 45.6002 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(98, 183, 173)` looks like.

```
.text, #text, p{  
    color:rgb(98, 183, 173)  
}
```

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(98, 183, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 183, 173) }
```

Border

The CSS property to change the border of an element to XYZ 29.5133, 39.4808, 45.6002 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(98, 183, 173) }
```


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

```
.border{ border-color:rgb(98, 183, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 183, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 183, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 183, 173);  
box-shadow:4px 4px 4px 4px rgb(98, 183,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5133, 39.4808, 45.6002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 183, 173) }
```

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

```
.background{ background-color: rgb(98, 183,  
173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor