

Converting Colors

XYZ(29.3789, 39.1597, 50.4996)

Have a look what the booklet for
XYZ(29.3789, 39.1597, 50.4996)
contains.

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Color

**XYZ(29.4015, 39.3191,
50.2957)**

Conversions

Conversions Part 1

Format	Color
Hex	58B7B6
RGB	88, 183, 182
RGB Percent	35%, 72%, 71%
CMY	0.6549, 0.2823, 0.2863
CMYK	0.52, 0.00, 0.01, 0.28
HSL	179°, 40%, 53%
HSV	179°, 52%, 72%
XYZ	29.4015, 39.3191, 50.2957
YIQ	154.4810, -56.2990, -20.4510

Conversions

Conversions Part 2

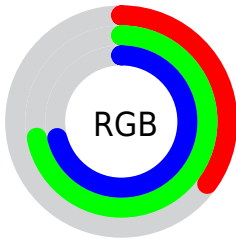
Format	Color
RYB	88, 136, 183
Decimal	5814198
CIELab	68.98, -28.15, -8.08
CIELCh	69, 29.285, 196.023
Yxy	39.3191, 0.2470, 0.3304
Android (android.graphics.Color)	4284004278 (0xFF58B7B6)
YUV	154.4810, 13.5669, -58.3038
Hunter-Lab	62.7049, -26.0374, -3.6631

Details

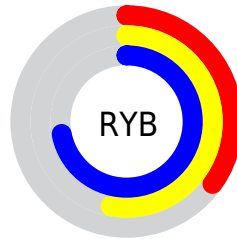
The XYZ color **29.4015, 39.3191, 50.2957** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.8227, 17.7692, 11.5741**, and the grayscale version is **30.8876, 32.4961, 35.3883**.

A 20% lighter version of the original color is **57.9762, 73.9258, 92.1024**, and **12.1945, 17.6788, 23.5385** is the 20% darker color. If you saturate the color by 10%, you get **27.8623, 38.5288, 50.1205**, and if you desaturate by 10%, it is **31.3779, 40.3366, 50.4933**.

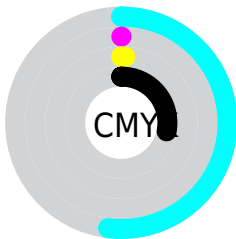
Distribution



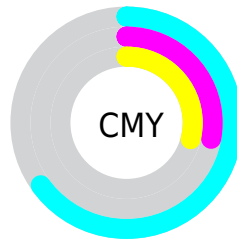
- Red (35%)
- Green (72%)
- Blue (71%)



- Red (35%)
- Yellow (53%)
- Blue (72%)



- Cyan (52%)
- Magenta (0%)
- Yellow (1%)
- Black (28%)



- Cyan (65%)
- Magenta (28%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4015, 39.3191, 50.2957 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 29.4015, 39.3191, 50.2957 by changing the saturation by 10% instead.

■ 29.4015, 39.3191,
50.2957

■ 29.4015, 39.3191,
50.2957

291.0648,
343.2453, 404.5893

■ 19.5306, 27.0081,
35.2756

■ 58.1075, 74.1255,
92.0137

■ 12.1605, 17.5793,
23.5900

■ 77.6734, 97.3897,
119.5486

■ 6.9261, 10.6484,
14.8204

■ 101.2015,
125.0738, 152.0922

■ 3.4618, 5.8309,
8.5482

■ 129.0574,
157.5620, 190.0630

■ 1.4024, 2.7425,
4.3549

161.6063,
195.2389, 233.8796

■ 0.2580, 0.9988,
1.8220

199.2136,

■ 0.0000, 0.0000,

238.4888, 283.9605

0.4424

242.2446,
287.6961, 340.7242

■ 0.0000, 0.0000,
0.0000

■ 29.4015, 39.3191,
50.2957

■ 29.4015, 39.3191,
50.2957

■ 27.8623, 38.5288,
50.1205

■ 31.3779, 40.3366,
50.4933

■ 26.7236, 37.9441,
49.9633

■ 33.8176, 41.5920,
50.7118

■ 25.9485, 37.5468,
49.8233

■ 36.7490, 43.1009,
50.9534

■ 25.4920, 37.3138,
49.6983

■ 40.1972, 44.8762,
51.2194

■ 25.2821, 37.2074,
49.6047

■ 44.1854, 46.9298,
51.5108

■ 48.7356, 49.2732,
51.8287

■ 53.8685, 51.9170,
52.1740

■ 59.6037, 54.8713,
52.5476

■ 65.9599, 58.1457,
52.9504

Harmonies

Analogous

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



29.3309, 39.3191, 36.9062



29.4015, 39.3191, 50.2957



31.4869, 39.3191, 64.0693

Triad

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



29.4015, 39.3191, 50.2957



44.2001, 39.3191, 63.2248



39.5786, 39.3191, 22.4204

Complementary

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



29.4015, 39.3191, 50.2957



24.8227, 17.7692, 11.5741

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.



43.9474, 39.3191, 26.8684



29.4015, 39.3191, 50.2957



46.7619, 39.3191, 49.3161

Square

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



29.4015, 39.3191, 50.2957



39.9008, 39.3191, 72.5284



46.6658, 39.3191, 36.1098



34.9517, 39.3191, 22.5749

Rectangle

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



29.4015, 39.3191, 50.2957



33.8463, 39.3191, 70.8115



46.6658, 39.3191, 36.1098



41.1337, 39.3191, 23.3792

Sweetspot

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



29.4027, 39.3206, 50.2966



69.1851, 78.9254, 91.5170



22.8722, 36.7259, 15.1168



15.0031, 17.2892, 20.1918



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.



29.4027, 39.3206, 50.2966



49.6377, 68.8677, 89.7288



21.5305, 23.4100, 48.1852



9.2625, 10.2090, 11.5397



17.6383, 25.9563, 34.6129



0.6231, 0.9155, 1.2271

Inverse Universe

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



24.8227, 17.7692, 11.5741



40.5585, 26.1293, 12.9550



29.8049, 27.8005, 13.0286



9.0084, 9.0137, 9.3914



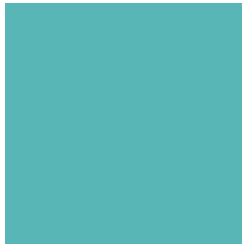
13.6324, 7.0267, 0.6849



0.4819, 0.2482, 0.0310

Previews

White Background



This preview shows how the XYZ color 29.4015, 39.3191, 50.2957 looks on a white background.

Color Contrast Check

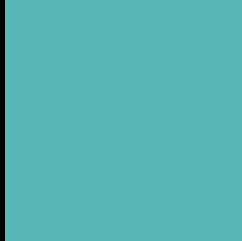
Large Text (above 18pt) WCAG AA × Fail

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 29.4015, 39.3191, 50.2957 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

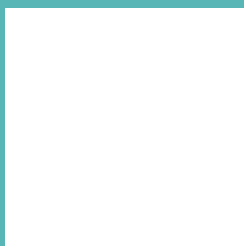
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4015, 39.3191, 50.2957

Background



This preview shows how black text looks on a background with the XYZ color 29.4015, 39.3191, 50.2957.

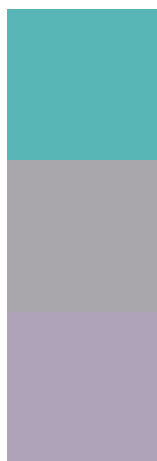


This preview shows how white text looks on a background with the XYZ color 29.4015, 39.3191,

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

29.4015, 39.3191, 50.2957

Protanopia

37.4448, 38.6860, 44.5233

Deuteranopia

39.6393, 38.8535, 51.8646



Tritanopia

31.0019, 39.3604, 58.1879

Trichromacy



Original Color

29.4015, 39.3191, 50.2957



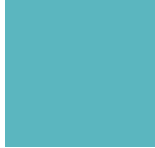
Protanomaly

33.4042, 38.2151, 46.6900



Deuteranomaly

34.4594, 38.0919, 51.4352



Tritanomaly

30.4463, 39.4416, 55.2985

Monochromacy



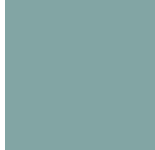
Original Color

29.4015, 39.3191, 50.2957



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

29.3619, 34.3364, 40.2020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4015, 39.3191, 50.2957 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(88, 183, 182)` looks like.

```
.text, #text, p{  
    color:rgb(88, 183, 182)  
}
```

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(88, 183, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 183, 182) }
```

Border

The CSS property to change the border of an element to XYZ 29.4015, 39.3191, 50.2957 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(88, 183, 182) }
```


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

```
.border{ border-color:rgb(88, 183, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 183, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 183, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 183, 182);  
box-shadow:4px 4px 4px 4px rgb(88, 183,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4015, 39.3191, 50.2957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 183, 182) }
```

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

```
.background{ background-color: rgb(88, 183,  
182) }
```

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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