

Converting Colors

XYZ(29.3993, 38.7172, 49.8212)

Have a look what the booklet for
XYZ(29.3993, 38.7172, 49.8212)
contains.

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Color

**XYZ(29.3786, 38.7111,
49.6396)**

Conversions

Conversions Part 1

Format	Color
Hex	5DB5B5
RGB	93, 181, 181
RGB Percent	36%, 71%, 71%
CMY	0.6353, 0.2902, 0.2902
CMYK	0.49, 0.00, 0.00, 0.29
HSL	180°, 37%, 54%
HSV	180°, 49%, 71%
XYZ	29.3786, 38.7111, 49.6396
YIQ	154.6880, -52.4480, -18.6560

Conversions

Conversions Part 2

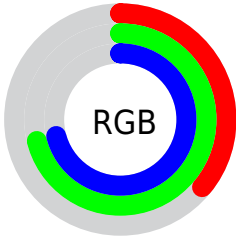
Format	Color
RYB	93, 137, 181
Decimal	6141365
CIELab	68.54, -26.34, -8.17
CIELCh	69, 27.575, 197.229
Yxy	38.7111, 0.2495, 0.3288
Android (android.graphics.Color)	4284331445 (0xFF5DB5B5)
YUV	154.6880, 12.9718, -54.1004
Hunter-Lab	62.2182, -24.5967, -3.7506

Details

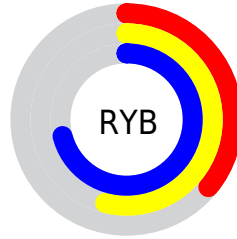
The XYZ color **29.3786, 38.7111, 49.6396** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.9476, 18.4440, 12.6026**, and the grayscale version is **30.9801, 32.5935, 35.4943**.

A 20% lighter version of the original color is **58.1479, 73.1668, 91.1787**, and **12.1509, 17.2729, 23.1157** is the 20% darker color. If you saturate the color by 10%, you get **27.7592, 37.8772, 49.5645**, and if you desaturate by 10%, it is **31.4339, 39.7715, 49.7368**.

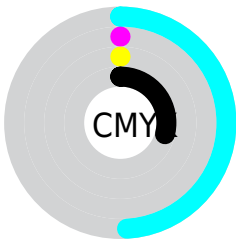
Distribution



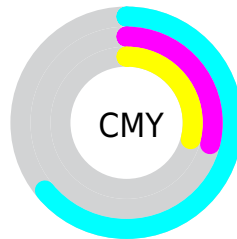
- Red (36%)
- Green (71%)
- Blue (71%)



- Red (36%)
- Yellow (54%)
- Blue (71%)



- Cyan (49%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)



- Cyan (64%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3786, 38.7111, 49.6396 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 29.3786, 38.7111, 49.6396 by changing the saturation by 10% instead.

■ 29.3786, 38.7111,
49.6396

■ 29.3786, 38.7111,
49.6396

290.9592,
340.6606, 401.9495

■ 19.5131, 26.5351,
34.7579

■ 58.0715, 73.1968,
91.0315

■ 12.1478, 17.2243,
23.1944

■ 77.6296, 96.2752,
118.3787

■ 6.9174, 10.3946,
14.5305

■ 101.1493,
123.7565, 150.7183

■ 3.4563, 5.6613,
8.3476

■ 128.9960,
156.0251, 188.4687

■ 1.3994, 2.6403,
4.2272

161.5349,
193.4655, 232.0485

■ 0.2558, 0.9470,
1.7508

199.1316,

■ 0.0000, 0.0000,

236.4619, 281.8762

0.3952

242.1512,
285.3988, 338.3704

■ 0.0000, 0.0000,
0.0000

■ 29.3786, 38.7111,
49.6396

■ 29.3786, 38.7111,
49.6396

■ 27.7592, 37.8772,
49.5645

■ 31.4339, 39.7715,
49.7368

■ 26.5412, 37.2493,
49.5073

■ 33.9496, 41.0684,
49.8548

■ 25.6905, 36.8107,
49.4673

■ 36.9527, 42.6166,
49.9955

■ 25.1659, 36.5403,
49.4425

■ 40.4668, 44.4282,
50.1602

■ 24.8962, 36.4013,
49.4297

■ 44.5143, 46.5147,
50.3498

■ 24.8649, 36.3851,
49.4282

■ 49.1160, 48.8870,
50.5653

■ 54.2918, 51.5552,
50.8078

■ 60.0605, 54.5291,
51.0779

■ 66.1054, 57.6453,
51.3610

Harmonies

Analogous

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



29.2341, 38.7111, 37.0800



29.3786, 38.7111, 49.6396



31.4082, 38.7111, 62.2614

Triad

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



29.3786, 38.7111, 49.6396



43.2721, 38.7111, 60.5702



38.6712, 38.7111, 22.8598

Complementary

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



29.3786, 38.7111, 49.6396



24.9476, 18.4440, 12.6026

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.



42.7622, 38.7111, 26.9154



29.3786, 38.7111, 49.6396



45.5557, 38.7111, 47.6619

Square

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



29.3786, 38.7111, 49.6396



39.3236, 38.7111, 69.3748



45.3621, 38.7111, 35.4540



34.3748, 38.7111, 23.1816

Rectangle

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



29.3786, 38.7111, 49.6396



33.6546, 38.7111, 68.2779



45.3621, 38.7111, 35.4540



40.1222, 38.7111, 23.7166

Sweetspot

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



29.3798, 38.7126, 49.6405



68.1936, 77.3612, 89.6321



23.1650, 36.2440, 16.1319



14.4683, 16.5809, 19.3600



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.3798, 38.7126, 49.6405



49.6258, 67.7891, 88.7616



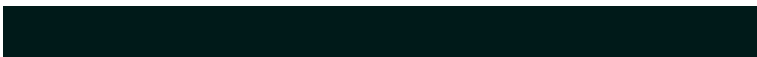
22.0116, 23.9759, 47.1854



8.7427, 9.6316, 10.9046



17.1407, 25.0823, 34.0736



0.5393, 0.7892, 1.0721

Inverse Universe

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



24.9476, 18.4440, 12.6026



40.7766, 27.3214, 14.8125



29.7718, 28.0927, 14.2103



8.4964, 8.5053, 8.8464



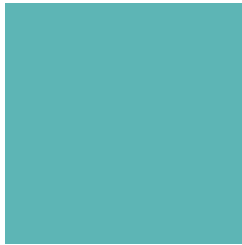
13.1369, 6.7723, 0.6149



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 29.3786, 38.7111, 49.6396 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 29.3786, 38.7111, 49.6396 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 29.3786, 38.7111, 49.6396

Background



This preview shows how black text looks on a background with the XYZ color 29.3786, 38.7111, 49.6396.

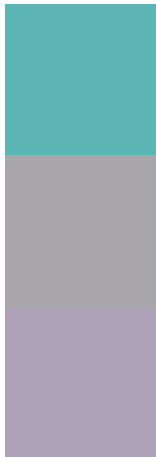


This preview shows how white text looks on a background with the XYZ color 29.3786, 38.7111,

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

29.3786, 38.7111, 49.6396

Protanopia

36.9543, 38.1754, 43.9490

Deuteranopia

39.1328, 38.3421, 51.2372



Tritanopia

30.7875, 38.6766, 56.8816

Trichromacy



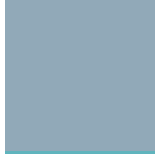
Original Color

29.3786, 38.7111, 49.6396



Protanomaly

33.2853, 37.8837, 46.1154



Deuteranomaly

34.5168, 37.8564, 50.8352



Tritanomaly

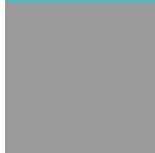
30.3304, 38.8034, 54.0353

Monochromacy



Original Color

29.3786, 38.7111, 49.6396



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.4920, 34.1368, 40.1566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3786, 38.7111, 49.6396 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(93, 181, 181)` looks like.

```
.text, #text, p{  
    color:rgb(93, 181, 181)  
}
```

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(93, 181, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 181, 181) }
```

Border

The CSS property to change the border of an element to XYZ 29.3786, 38.7111, 49.6396 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(93, 181, 181) }
```


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

```
.border{ border-color:rgb(93, 181, 181) }
```

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

Here you see how a box with a 4 pixel rgb(93, 181, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 181, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 181, 181);  
box-shadow:4px 4px 4px 4px rgb(93, 181,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3786, 38.7111, 49.6396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 181, 181) }
```

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

```
.background{ background-color: rgb(93, 181,  
181) }
```

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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