

Converting Colors

XYZ(29.5565, 39.5790, 51.0406)

Have a look what the booklet for
XYZ(29.5565, 39.5790, 51.0406)
contains.

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Color

**XYZ(29.6182, 39.7261,
50.9066)**

Conversions

Conversions Part 1

Format	Color
Hex	57B8B7
RGB	87, 184, 183
RGB Percent	34%, 72%, 72%
CMY	0.6588, 0.2784, 0.2823
CMYK	0.53, 0.00, 0.01, 0.28
HSL	179°, 41%, 53%
HSV	179°, 53%, 72%
XYZ	29.6182, 39.7261, 50.9066
YIQ	154.8830, -57.4910, -20.8750

Conversions

Conversions Part 2

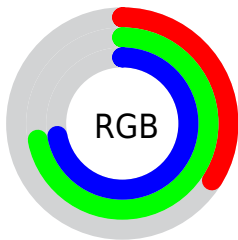
Format	Color
R _Y B	87, 136, 184
Decimal	5748919
CIE Lab	69.27, -28.58, -8.20
CIE LCh	69, 29.732, 196.016
Yxy	39.7261, 0.2463, 0.3304
Android (android.graphics.Color)	4283938999 (0xFF57B8B7)
YUV	154.8830, 13.8617, -59.5334
Hunter-Lab	63.0286, -26.4200, -3.7669

Details

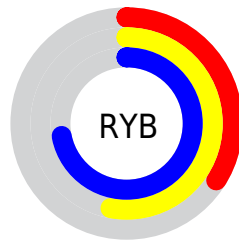
The XYZ color **29.6182, 39.7261, 50.9066** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.9381, 17.7125, 11.3383**, and the grayscale version is **31.0639, 32.6817, 35.5903**.

A 20% lighter version of the original color is **58.4171, 74.5719, 92.9763**, and **12.3426, 17.9459, 23.9325** is the 20% darker color. If you saturate the color by 10%, you get **28.0950, 38.9441, 50.7330**, and if you desaturate by 10%, it is **31.5816, 40.7369, 51.1027**.

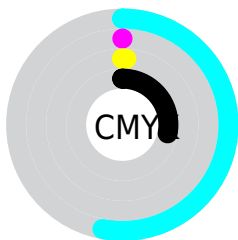
Distribution



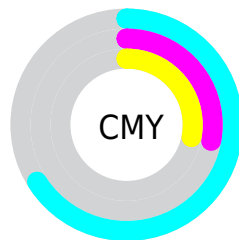
- Red (34%)
- Green (72%)
- Blue (72%)



- Red (34%)
- Yellow (53%)
- Blue (72%)



- Cyan (53%)
- Magenta (0%)
- Yellow (1%)
- Black (28%)



- Cyan (66%)
- Magenta (28%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6182, 39.7261, 50.9066 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 29.6182, 39.7261, 50.9066 by changing the saturation by 10% instead.

■ 29.6182, 39.7261,
50.9066

■ 29.6182, 39.7261,
50.9066

292.0626,
344.9678, 407.0370

■ 19.6956, 27.3251,
35.7581

■ 58.4486, 74.7462,
92.9268

■ 12.2809, 17.8175,
23.9592

■ 78.0872, 98.1341,
120.6355

■ 7.0089, 10.8190,
15.0914

■ 101.6951,
125.9531, 153.3681

■ 3.5140, 5.9453,
8.7362

■ 129.6377,
158.5875, 191.5430

■ 1.4311, 2.8118,
4.4751

162.2805,
196.4218, 235.5788

■ 0.2782, 1.0343,
1.8894

199.9886,

■ 0.0000, 0.0000,

239.8404, 285.8940

0.4860

243.1275,
289.2275, 342.9072

■ 0.0000, 0.0000,
0.0000

■ 29.6182, 39.7261,
50.9066

■ 29.6182, 39.7261,
50.9066

■ 28.0950, 38.9441,
50.7330

■ 31.5816, 40.7369,
51.1027

■ 26.9744, 38.3687,
50.5775

■ 34.0121, 41.9876,
51.3199

■ 26.2188, 37.9814,
50.4392

■ 36.9386, 43.4939,
51.5605

■ 25.7816, 37.7583,
50.3160

■ 40.3864, 45.2691,
51.8256

■ 25.5952, 37.6639,
50.2325

■ 44.3795, 47.3253,
52.1163

■ 48.9402, 49.6741,
52.4338

■ 54.0894, 52.3263,
52.7790

■ 59.8473, 55.2923,
53.1527

■ 66.2328, 58.5818,
53.5560

Harmonies

Analogous

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



29.5467, 39.7261, 37.2183



29.6182, 39.7261, 50.9066



31.7459, 39.7261, 65.0176

Triad

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



29.6182, 39.7261, 50.9066



44.7427, 39.7261, 64.1582



40.0163, 39.7261, 22.4608

Complementary

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



29.6182, 39.7261, 50.9066



24.9381, 17.7125, 11.3383

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.



44.4859, 39.7261, 26.9873



29.6182, 39.7261, 50.9066



47.3660, 39.7261, 49.9115

Square

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



29.6182, 39.7261, 50.9066



40.3434, 39.7261, 73.6990



47.2683, 39.7261, 36.4113



35.2864, 39.7261, 22.6167

Rectangle

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



29.6182, 39.7261, 50.9066



34.1550, 39.7261, 71.9339



47.2683, 39.7261, 36.4113



41.6069, 39.7261, 23.4360

Sweetspot

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



29.6194, 39.7276, 50.9075



70.8778, 80.8595, 93.7687



22.9451, 37.0756, 14.9647



15.0034, 17.2893, 20.1934



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.



29.6194, 39.7276, 50.9075



50.6151, 70.4335, 91.9245



21.5457, 23.4128, 48.7326



9.2626, 10.2090, 11.5401



17.6411, 25.9574, 34.6277



0.6232, 0.9156, 1.2275

Inverse Universe

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



24.9381, 17.7125, 11.3383



41.2360, 26.3083, 12.6331



29.9979, 27.8979, 12.8215



9.0083, 9.0137, 9.3910



13.6322, 7.0266, 0.6839



0.4818, 0.2482, 0.0308

Previews

White Background



This preview shows how the XYZ color 29.6182, 39.7261, 50.9066 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 29.6182, 39.7261, 50.9066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

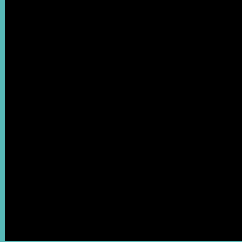
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.6182, 39.7261, 50.9066

Background



This preview shows how black text looks on a background with the XYZ color 29.6182, 39.7261, 50.9066.

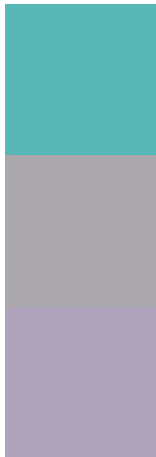


This preview shows how white text looks on a background with the XYZ color 29.6182, 39.7261,

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

29.6182, 39.7261, 50.9066

Protanopia

37.9391, 39.2006, 45.1020

Deuteranopia

39.9243, 39.2527, 52.4860



Tritanopia

31.2196, 39.7624, 58.8528

Trichromacy



Original Color

29.6182, 39.7261, 50.9066

Protanomaly

33.6946, 38.6369, 47.2767

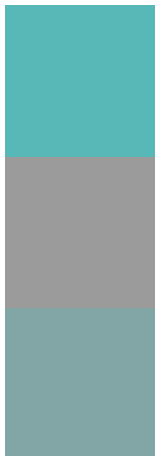
Deuteranomaly

34.7535, 38.5106, 52.0560

Tritanomaly

30.6644, 39.8464, 55.9441

Monochromacy



Original Color

29.6182, 39.7261, 50.9066

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.6337, 34.7349, 40.7400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6182, 39.7261, 50.9066 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(87, 184, 183)` looks like.

```
.text, #text, p{  
  color:rgb(87, 184, 183)  
}
```

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(87, 184, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 184, 183) }
```

Border

The CSS property to change the border of an element to XYZ 29.6182, 39.7261, 50.9066 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(87, 184, 183) }
```


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

```
.border{ border-color:rgb(87, 184, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 184, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 184, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 184, 183);  
box-shadow:4px 4px 4px 4px rgb(87, 184,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6182, 39.7261, 50.9066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 184, 183) }
```

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

```
.background{ background-color: rgb(87, 184,  
183) }
```

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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