

Converting Colors

XYZ(29.7926, 39.4519, 58.3065)

Have a look what the booklet for
XYZ(29.7926, 39.4519, 58.3065)
contains.

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Color

**XYZ(29.7213, 39.3083,
58.2453)**

Conversions

Conversions Part 1

Format	Color
Hex	4AB7C4
RGB	74, 183, 196
RGB Percent	29%, 72%, 77%
CMY	0.7098, 0.2823, 0.2314
CMYK	0.62, 0.07, 0.00, 0.23
HSL	186°, 51%, 53%
HSV	186°, 62%, 77%
XYZ	29.7213, 39.3083, 58.2453
YIQ	151.8910, -69.1370, -19.0650

Conversions

Conversions Part 2

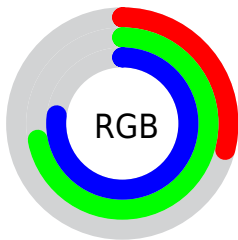
Format	Color
RYB	74, 132, 196
Decimal	4896708
CIELab	68.97, -26.89, -15.85
CIElCh	69, 31.214, 210.510
Yxy	39.3083, 0.2335, 0.3088
Android (android.graphics.Color)	4283086788 (0xFF4AB7C4)
YUV	151.8910, 21.7457, -68.3104
Hunter-Lab	62.6963, -25.1004, -11.1934

Details

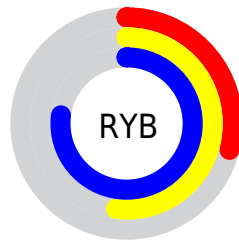
The XYZ color **29.7213, 39.3083, 58.2453** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **27.4101, 19.0476, 8.7116**, and the grayscale version is **29.7299, 31.2781, 34.0619**.

A 20% lighter version of the original color is **58.5878, 73.9757, 104.1194**, and **12.8651, 17.9183, 28.3717** is the 20% darker color. If you saturate the color by 10%, you get **28.0136, 37.7941, 58.0437**, and if you desaturate by 10%, it is **31.9078, 41.0806, 58.4729**.

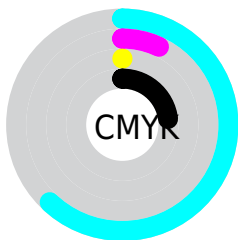
Distribution



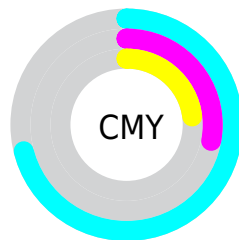
- Red (29%)
- Green (72%)
- Blue (77%)



- Red (29%)
- Yellow (52%)
- Blue (77%)



- Cyan (62%)
- Magenta (7%)
- Yellow (0%)
- Black (23%)



- Cyan (71%)
- Magenta (28%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7213, 39.3083, 58.2453 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 29.7213, 39.3083, 58.2453 by changing the saturation by 10% instead.

■ 29.7213, 39.3083,
58.2453

■ 29.7213, 39.3083,
58.2453

292.5364,
343.1995, 435.7231

■ 19.7742, 26.9996,
41.5899

■ 58.6108, 74.1091,
103.7983

■ 12.3383, 17.5730,
28.4571

■ 78.2839, 97.3700,
133.5329

■ 7.0483, 10.6438,
18.4285

■ 101.9297,
125.0504, 168.4644

■ 3.5390, 5.8279,
11.0854

■ 129.9135,
157.5348, 209.0113

■ 1.4448, 2.7407,
6.0094

162.6007,
195.2075, 255.5920

■ 0.2878, 0.9979,
2.7819

200.3567,

■ 0.0000, 0.0000,

238.4529, 308.6252

0.9844

243.5468,
287.6554, 368.5294

■ 0.0000, 0.0000,
0.0000

■ 29.7213, 39.3083,
58.2453

■ 29.7213, 39.3083,
58.2453

■ 28.0136, 37.7941,
58.0437

■ 31.9078, 41.0806,
58.4729

■ 26.7358, 36.5100,
57.8633

■ 34.6090, 43.1269,
58.7255

■ 25.8347, 35.4296,
57.7022

■ 37.8616, 45.4669,
59.0057

■ 25.3168, 34.6912,
57.5870

■ 41.6977, 48.1175,
59.3151

■ 46.1471, 51.0938,
59.6551

■ 51.2376, 54.4103,
60.0270

■ 56.9950, 58.0804,
60.4319

■ 63.4439, 62.1167,
60.8711

■ 70.6076, 66.5313,
61.3456

Harmonies

Analogous

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



28.6005, 39.3083, 43.0442



29.7213, 39.3083, 58.2453



32.8537, 39.3083, 71.3015

Triad

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



29.7213, 39.3083, 58.2453



46.3080, 39.3083, 57.7285



37.2763, 39.3083, 20.8588

Complementary

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



29.7213, 39.3083, 58.2453



27.4101, 19.0476, 8.7116

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.



42.2636, 39.3083, 23.1308



29.7213, 39.3083, 58.2453



47.7502, 39.3083, 42.5568

Square

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



29.7213, 39.3083, 58.2453



42.4238, 39.3083, 70.9596



46.2099, 39.3083, 30.3594



32.7186, 39.3083, 23.2929

Rectangle

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



29.7213, 39.3083, 58.2453



35.8085, 39.3083, 75.8495



46.2099, 39.3083, 30.3594



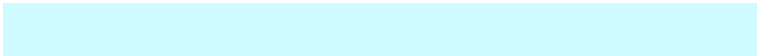
38.9584, 39.3083, 21.0908

Sweetspot

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



29.7225, 39.3098, 58.2462



77.7918, 88.6911, 107.6268



24.2527, 41.6117, 15.6013



16.1741, 18.6614, 22.9995



0.0000, 0.0000, 0.0000



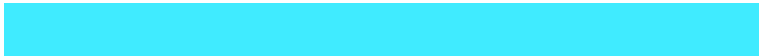
20.3446, 21.4041, 23.3091

Same Dimension

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



29.7225, 39.3098, 58.2462



49.7485, 67.5023, 105.0150



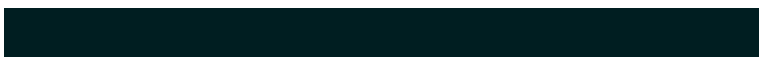
19.8472, 19.5591, 54.9545



10.2739, 11.2392, 12.9127



16.3048, 22.3662, 37.0144



0.7313, 1.0200, 1.6082

Inverse Universe

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



33.7620, 20.0533, 46.8925



58.0002, 30.8750, 81.2141



34.4669, 33.1611, 11.0638



10.4496, 10.2284, 12.4579



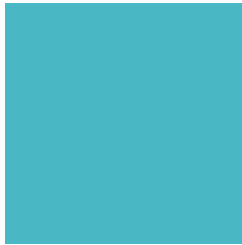
19.6259, 9.5401, 27.0058



0.8615, 0.4176, 1.2381

Previews

White Background



This preview shows how the XYZ color 29.7213, 39.3083, 58.2453 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 29.7213, 39.3083, 58.2453 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 29.7213, 39.3083, 58.2453

Background



This preview shows how black text looks on a background with the XYZ color 29.7213, 39.3083, 58.2453.



This preview shows how white text looks on a background with the XYZ color 29.7213, 39.3083,

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

29.7213, 39.3083, 58.2453

Protanopia

37.9102, 38.7746, 51.3851

Deuteranopia

39.4589, 38.5800, 60.0106



Tritanopia

30.0282, 39.4400, 59.4561

Trichromacy



Original Color

29.7213, 39.3083, 58.2453

Protanomaly

33.4536, 38.0847, 53.7320

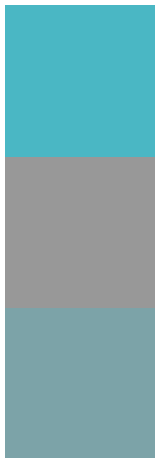
Deuteranomaly

34.3564, 37.8595, 59.5297

Tritanomaly

29.9132, 39.3940, 58.8505

Monochromacy



Original Color

29.7213, 39.3083, 58.2453

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.4773, 33.3066, 41.9737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7213, 39.3083, 58.2453 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(74, 183, 196)` looks like.

```
.text, #text, p{  
    color:rgb(74, 183, 196)  
}
```

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(74, 183, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 183, 196) }
```

Border

The CSS property to change the border of an element to XYZ 29.7213, 39.3083, 58.2453 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(74, 183, 196) }
```


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

```
.border{ border-color:rgb(74, 183, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 183, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 183, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 183, 196);  
box-shadow:4px 4px 4px 4px rgb(74, 183,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7213, 39.3083, 58.2453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 183, 196) }
```

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

```
.background{ background-color: rgb(74, 183,  
196) }
```

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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