

Converting Colors

XYZ(29.9456, 38.5973, 68.7596)

Have a look what the booklet for
XYZ(29.9456, 38.5973, 68.7596)
contains.

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Color

**XYZ(29.9503, 38.5819,
68.8193)**

Conversions

Conversions Part 1

Format	Color
Hex	34B5D5
RGB	52, 181, 213
RGB Percent	20%, 71%, 84%
CMY	0.7960, 0.2902, 0.1647
CMYK	0.76, 0.15, 0.00, 0.16
HSL	192°, 66%, 52%
HSV	192°, 76%, 84%
XYZ	29.9503, 38.5819, 68.8193
YIQ	146.0770, -87.1560, -17.3960

Conversions

Conversions Part 2

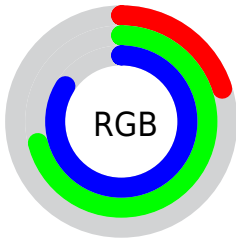
Format	Color
RYB	52, 124, 213
Decimal	3454421
CIELab	68.45, -23.75, -26.04
CIELCh	68, 35.245, 227.629
Yxy	38.5819, 0.2181, 0.2809
Android (android.graphics.Color)	4281644501 (0xFF34B5D5)
YUV	146.0770, 32.9930, -82.5055
Hunter-Lab	62.1143, -22.6309, -22.2101

Details

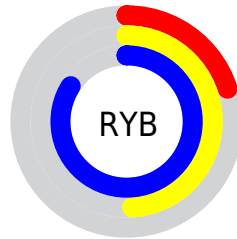
The XYZ color **29.9503, 38.5819, 68.8193** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **31.2322, 20.7367, 5.6068**, and the grayscale version is **27.2497, 28.6688, 31.2204**.

A 20% lighter version of the original color is **56.3602, 71.9259, 105.5203**, and **13.8907, 17.9070, 35.0720** is the 20% darker color. If you saturate the color by 10%, you get **28.2433, 36.4440, 68.4974**, and if you desaturate by 10%, it is **32.1802, 41.0297, 69.1750**.

Distribution



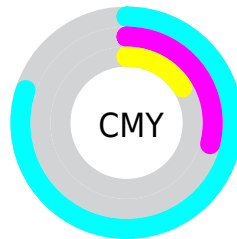
- Red (20%)
- Green (71%)
- Blue (84%)



- Red (20%)
- Yellow (49%)
- Blue (84%)



- Cyan (76%)
- Magenta (15%)
- Yellow (0%)
- Black (16%)



- Cyan (80%)
- Magenta (29%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9503, 38.5819, 68.8193 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 29.9503, 38.5819, 68.8193 by changing the saturation by 10% instead.

■ 29.9503, 38.5819,
68.8193

■ 29.9503, 38.5819,
68.8193

293.5867,
340.1096, 475.0701

■ 19.9488, 26.4346,
50.0937

■ 58.9707, 72.9992,
119.1887

■ 12.4658, 17.1491,
35.1162

■ 78.7203, 96.0380,
151.6696

■ 7.1362, 10.3408,
23.4681

■ 102.4500,
123.4760, 189.5727

■ 3.5945, 5.6255,
14.7310

■ 130.5251,
155.6978, 233.3166

■ 1.4754, 2.6187,
8.4863

■ 163.3109,
193.0876, 283.3197

■ 0.3090, 0.9361,
4.3155

201.1729,

■ 0.0000, 0.0000,

236.0300, 340.0006

1.7999

244.4764,
284.9092, 403.7779

■ 0.0000, 0.0000,
0.4279

■ 0.0000, 0.0000,
0.0000

■ 29.9503, 38.5819,
68.8193

■ 29.9503, 38.5819,
68.8193

■ 28.2433, 36.4440,
68.4974

■ 32.1802, 41.0297,
69.1750

■ 26.9828, 34.5740,
68.2029

■ 34.9884, 43.8140,
69.5644

■ 26.5099, 33.8033,
68.0790

■ 38.4271, 46.9629,
69.9910

■ 42.5416, 50.5000,
70.4568

■ 47.3727, 54.4467,
70.9640

■ 52.9581, 58.8227,
71.5143

■ 59.3327, 63.6464,
72.1093

■ 66.5292, 68.9348,
72.7508

■ 74.5784, 74.7042,
73.4402

Harmonies

Analogous

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



27.4269, 38.5819, 51.9424



29.9503, 38.5819, 68.8193



34.4358, 38.5819, 79.4098

Triad

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



29.9503, 38.5819, 68.8193



48.0911, 38.5819, 48.8898



33.5385, 38.5819, 19.1261

Complementary

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



29.9503, 38.5819, 68.8193



31.2322, 20.7367, 5.6068

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.



39.0007, 38.5819, 18.7006



29.9503, 38.5819, 68.8193



47.7887, 38.5819, 33.4306

Square

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



29.9503, 38.5819, 68.8193



45.1173, 38.5819, 66.1055



44.3285, 38.5819, 23.2608



29.3505, 38.5819, 24.6210

Rectangle

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



29.9503, 38.5819, 68.8193



38.1034, 38.5819, 80.0817



44.3285, 38.5819, 23.2608



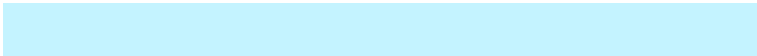
35.2748, 38.5819, 18.4462

Sweetspot

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



29.9516, 38.5833, 68.8202



73.0593, 83.3091, 106.8374



26.7164, 48.9215, 15.9233



15.0223, 17.3408, 22.8053



0.0000, 0.0000, 0.0000



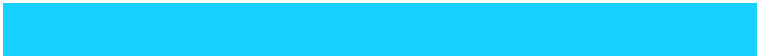
20.3446, 21.4041, 23.3091

Same Dimension

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



29.9516, 38.5833, 68.8202



41.1725, 52.9421, 102.6566



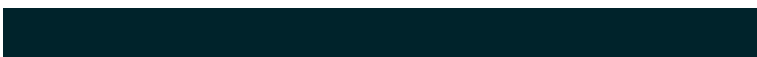
18.2767, 15.2335, 64.9286



12.5728, 13.6689, 15.9132



16.2666, 20.7950, 41.6096



1.0357, 1.3634, 2.5279

Inverse Universe

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



37.0102, 19.9397, 45.6155



53.0388, 26.4682, 62.5551



40.9851, 40.2426, 8.8577



12.8423, 12.5884, 15.1098



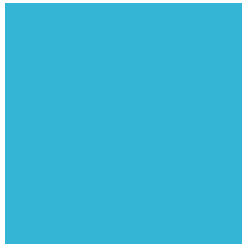
21.2695, 10.4441, 24.5209



1.3104, 0.6410, 1.6241

Previews

White Background



This preview shows how the XYZ color 29.9503, 38.5819, 68.8193 looks on a white background.

Color Contrast Check

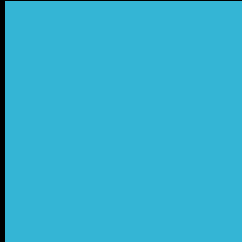
Large Text (above 18pt) WCAG AA × Fail

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 29.9503, 38.5819, 68.8193 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 29.9503, 38.5819, 68.8193

Background



This preview shows how black text looks on a background with the XYZ color 29.9503, 38.5819, 68.8193.



This preview shows how white text looks on a background with the XYZ color 29.9503, 38.5819,

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

29.9503, 38.5819, 68.8193

Protanopia

37.7227, 37.9361, 60.5925

Deuteranopia

38.9480, 38.0742, 70.9419



Tritanopia

27.9632, 38.3755, 59.3595

Trichromacy



Original Color

29.9503, 38.5819, 68.8193



Protanomaly

33.0019, 37.0792, 63.1752



Deuteranomaly

34.1055, 37.4892, 70.4043



Tritanomaly

28.5461, 38.3032, 62.3886

Monochromacy



Original Color

29.9503, 38.5819, 68.8193



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

26.3359, 31.1433, 42.6534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9503, 38.5819, 68.8193 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(52, 181, 213)` looks like.

```
.text, #text, p{  
    color:rgb(52, 181, 213)  
}
```

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(52, 181, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 181, 213) }
```

Border

The CSS property to change the border of an element to XYZ 29.9503, 38.5819, 68.8193 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(52, 181, 213) }
```


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

```
.border{ border-color:rgb(52, 181, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 181, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 181, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 181, 213);  
box-shadow:4px 4px 4px 4px rgb(52, 181,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9503, 38.5819, 68.8193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 181, 213) }
```

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

```
.background{ background-color: rgb(52, 181,  
213) }
```

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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