

Converting Colors

XYZ(28.1088, 31.1731, 66.5923)

Have a look what the booklet for
XYZ(28.1088, 31.1731, 66.5923)
contains.

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Color

**XYZ(28.2303, 31.3310,
66.8470)**

Conversions

Conversions Part 1

Format	Color
Hex	599ED4
RGB	89, 158, 212
RGB Percent	35%, 62%, 83%
CMY	0.6510, 0.3804, 0.1686
CMYK	0.58, 0.25, 0.00, 0.17
HSL	206°, 59%, 59%
HSV	206°, 58%, 83%
XYZ	28.2303, 31.3310, 66.8470
YIQ	143.5250, -58.4580, 2.1660

Conversions

Conversions Part 2

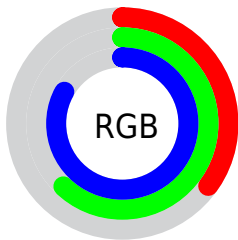
Format	Color
R _Y B	89, 133, 212
Decimal	5873364
CIE Lab	62.79, -5.99, -34.14
CIE LCh	63, 34.666, 260.045
Yxy	31.3310, 0.2233, 0.2479
Android (android.graphics.Color)	4284063444 (0xFF599ED4)
YUV	143.5250, 33.7582, -47.8184
Hunter-Lab	55.9741, -7.9290, -31.6251

Details

The XYZ color **28.2303, 31.3310, 66.8470** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **38.7782, 34.3648, 14.0417**, and the grayscale version is **26.2052, 27.5699, 30.0236**.

A 20% lighter version of the original color is **53.6261, 60.5100, 103.4609**, and **11.5246, 13.0431, 33.8084** is the 20% darker color. If you saturate the color by 10%, you get **24.9534, 27.3739, 66.2565**, and if you desaturate by 10%, it is **32.2154, 35.8328, 67.5065**.

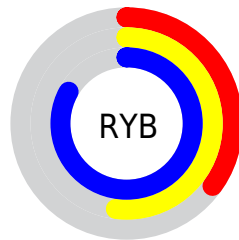
Distribution



Red (35%)

Green (62%)

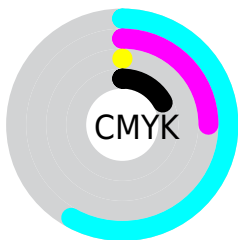
Blue (83%)



Red (35%)

Yellow (52%)

Blue (83%)

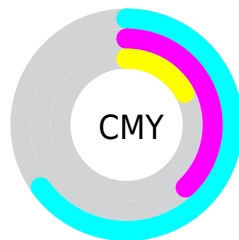


Cyan (58%)

Magenta (25%)

Yellow (0%)

Black (17%)



Cyan (65%)

Magenta (38%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2303, 31.3310, 66.8470 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 28.2303, 31.3310, 66.8470 by changing the saturation by 10% instead.

■ 28.2303, 31.3310,
66.8470

■ 28.2303, 31.3310,
66.8470

285.6259,
308.0603, 467.8866

■ 18.6407, 20.8510,
48.4995

■ 56.2580, 61.7608,
116.3397

■ 11.5134, 13.0152,
33.8598

■ 75.4268, 82.4795,
148.3220

■ 6.4831, 7.4390,
22.5094

■ 98.5193, 107.3798,
185.6863

■ 3.1844, 3.7381,
14.0298

■ 125.9010,
136.8462, 228.8511

■ 1.2520, 1.5282,
8.0024

157.9371,
171.2630, 278.2350

■ 0.1469, 0.3084,
4.0087

194.9931,

■ 0.0000, 0.0000,

211.0147, 334.2565

1.6301

237.4342,
256.4857, 397.3342

■ 0.0000, 0.0000,
0.3122

■ 0.0000, 0.0000,
0.0000

■ 28.2303, 31.3310,
66.8470

■ 28.2303, 31.3310,
66.8470

■ 24.9534, 27.3739,
66.2565

■ 32.2154, 35.8328,
67.5065

■ 22.3268, 23.9261,
65.7295

■ 36.9535, 40.9046,
68.2357

■ 20.2880, 20.9519,
65.2628

■ 42.4894, 46.5736,
69.0382

■ 18.7462, 18.4001,
64.8516

■ 48.8633, 52.8643,
69.9165

■ 18.4718, 17.9296,
64.7752

■ 56.1124, 59.7992,
70.8730

■ 64.2716, 67.3997,
71.9100

■ 73.3737, 75.6861,
73.0297

■ 82.1107, 83.9873,
74.1715

■ 84.8074, 89.3808,
75.0704

Harmonies

Analogous

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



24.2982, 31.3310, 58.3070



28.2303, 31.3310, 66.8470



33.0157, 31.3310, 65.0025

Triad

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



28.2303, 31.3310, 66.8470



39.1942, 31.3310, 25.9221



23.3212, 31.3310, 19.9402

Complementary

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



28.2303, 31.3310, 66.8470



38.7782, 34.3648, 14.0417

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.



26.7614, 31.3310, 14.9905



28.2303, 31.3310, 66.8470



36.0280, 31.3310, 17.7545

Square

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



28.2303, 31.3310, 66.8470



39.6949, 31.3310, 38.8313



31.3837, 31.3310, 14.3137



21.6697, 31.3310, 29.7953

Rectangle

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



28.2303, 31.3310, 66.8470



36.0405, 31.3310, 58.2691



31.3837, 31.3310, 14.3137



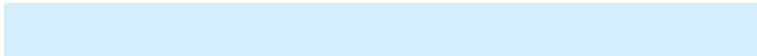
24.2886, 31.3310, 17.7716

Sweetspot

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



28.2314, 31.3321, 66.8478



75.0868, 81.1376, 106.3114



32.5694, 51.1737, 33.8718



15.6235, 16.9313, 22.6946



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.



28.2314, 31.3321, 66.8478



36.7201, 40.0765, 100.4079



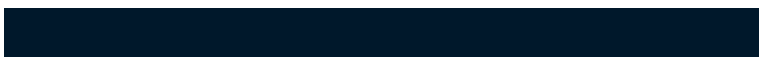
20.2978, 15.4650, 64.2033



12.3147, 13.1528, 15.8272



11.5048, 11.2714, 40.0224



0.7757, 0.8435, 2.4412

Inverse Universe

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



36.8963, 23.6116, 34.9616



51.7583, 29.6578, 44.4000



50.5007, 57.8099, 17.9492



12.7120, 12.5363, 14.4239



18.8660, 9.4827, 11.8641



1.1792, 0.5885, 0.9330

Previews

White Background



This preview shows how the XYZ color 28.2303, 31.3310, 66.8470 looks on a white background.

Color Contrast Check

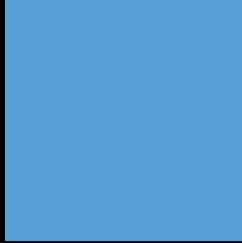
Large Text (above 18pt) WCAG AA × Fail

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 28.2303, 31.3310, 66.8470 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 28.2303, 31.3310, 66.8470

Background



This preview shows how black text looks on a background with the XYZ color 28.2303, 31.3310, 66.8470.

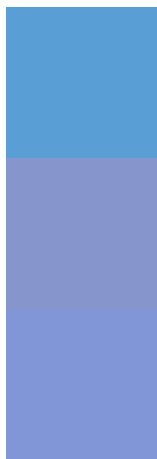


This preview shows how white text looks on a background with the XYZ color 28.2303, 31.3310,

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

28.2303, 31.3310, 66.8470

Protanopia

31.7586, 31.0536, 62.0777

Deuteranopia

31.9460, 31.2569, 67.9678



Tritanopia

24.2130, 31.2611, 46.8773

Trichromacy



Original Color

28.2303, 31.3310, 66.8470

Protanomaly

30.0846, 30.8621, 64.0459

Deuteranomaly

30.3409, 31.1640, 67.3669

Tritanomaly

25.5229, 31.2638, 53.4045

Monochromacy



Original Color

28.2303, 31.3310, 66.8470

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.2211, 28.6446, 41.6831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2303, 31.3310, 66.8470 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(89, 158, 212)` looks like.

```
.text, #text, p{  
    color:rgb(89, 158, 212)  
}
```

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(89, 158, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 158, 212) }
```

Border

The CSS property to change the border of an element to XYZ 28.2303, 31.3310, 66.8470 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(89, 158, 212) }
```


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

```
.border{ border-color:rgb(89, 158, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 158, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 158, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 158, 212);  
box-shadow:4px 4px 4px 4px rgb(89, 158,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2303, 31.3310, 66.8470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 158, 212) }
```

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

```
.background{ background-color: rgb(89, 158,  
212) }
```

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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