

Converting Colors

XYZ(27.3936, 29.5755, 66.8652)

Have a look what the booklet for
XYZ(27.3936, 29.5755, 66.8652)
contains.

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Color

**XYZ(27.3947, 29.6598,
66.5684)**

Conversions

Conversions Part 1

Format	Color
Hex	5999D4
RGB	89, 153, 212
RGB Percent	35%, 60%, 83%
CMY	0.6510, 0.4000, 0.1686
CMYK	0.58, 0.28, 0.00, 0.17
HSL	209°, 59%, 59%
HSV	209°, 58%, 83%
XYZ	27.3947, 29.6598, 66.5684
YIQ	140.5900, -57.0830, 4.7810

Conversions

Conversions Part 2

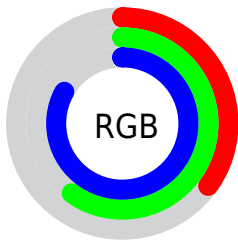
Format	Color
R _Y B	89, 131, 212
Decimal	5872084
CIE Lab	61.36, -3.17, -36.37
CIE LCh	61, 36.505, 265.020
Yxy	29.6598, 0.2216, 0.2399
Android (android.graphics.Color)	4284062164 (0xFF5999D4)
YUV	140.5900, 35.2051, -45.2444
Hunter-Lab	54.4608, -5.5179, -34.3486

Details

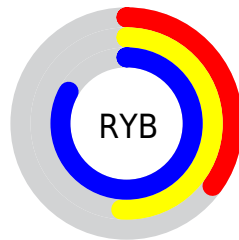
The XYZ color **27.3947, 29.6598, 66.5684** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **39.5456, 35.8997, 14.2975**, and the grayscale version is **25.0409, 26.3450, 28.6897**.

A 20% lighter version of the original color is **52.3954, 58.0487, 103.0507**, and **11.0183, 12.0304, 33.6397** is the 20% darker color. If you saturate the color by 10%, you get **24.0515, 25.5703, 65.9558**, and if you desaturate by 10%, it is **31.4675, 34.3371, 67.2571**.

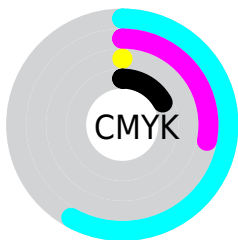
Distribution



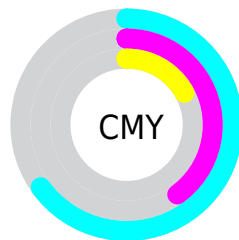
- Red (35%)
- Green (60%)
- Blue (83%)



- Red (35%)
- Yellow (51%)
- Blue (83%)



- Cyan (58%)
- Magenta (28%)
- Yellow (0%)
- Black (17%)



- Cyan (65%)
- Magenta (40%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3947, 29.6598, 66.5684 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 27.3947, 29.6598, 66.5684 by changing the saturation by 10% instead.

■ 27.3947, 29.6598,
66.5684

■ 27.3947, 29.6598,
66.5684

281.6960,
300.3155, 466.8665

■ 18.0080, 19.5805,
48.2746

■ 54.9320, 59.1238,
115.9365

■ 11.0555, 12.0905,
33.6828

■ 73.8133, 79.2772,
147.8479

■ 6.1717, 6.8053,
22.3747

■ 96.5902, 103.5575,
185.1355

■ 2.9914, 3.3407,
13.9315

■ 123.6281,
132.3490, 228.2180

■ 1.1492, 1.3121,
7.9348

155.2922,
166.0362, 277.5137

■ 0.0657, 0.1505,
3.9661

191.9480,

■ 0.0000, 0.0000,

205.0034, 333.4414

1.6068

233.9608,
249.6350, 396.4195

■ 0.0000, 0.0000,
0.2956

■ 0.0000, 0.0000,
0.0000

■ 27.3947, 29.6598,
66.5684

■ 27.3947, 29.6598,
66.5684

■ 24.0515, 25.5703,
65.9558

■ 31.4675, 34.3371,
67.2571

■ 21.3795, 22.0316,
65.4136

■ 36.3159, 39.6293,
68.0231

■ 19.3151, 19.0062,
64.9385

■ 41.9853, 45.5654,
68.8701

■ 17.7665, 16.4408,
64.5249

■ 48.5167, 52.1710,
69.8008

■ 17.4930, 15.9719,
64.4488

■ 55.9480, 59.4703,
70.8181

■ 64.3148, 67.4862,
71.9243

■ 73.6507, 76.2402,
73.1219

■ 82.6483, 85.0625,
74.3506

■ 85.6330, 91.0319,
75.3455

Harmonies

Analogous

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



23.2090, 29.6598, 59.2575



27.3947, 29.6598, 66.5684



32.2908, 29.6598, 62.7745

Triad

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



27.3947, 29.6598, 66.5684



37.4405, 29.6598, 22.3276



21.2646, 29.6598, 19.3534

Complementary

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



27.3947, 29.6598, 66.5684



39.5456, 35.8997, 14.2975

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.



24.4533, 29.6598, 13.7329



27.3947, 29.6598, 66.5684



33.8388, 29.6598, 15.0760

Square

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



27.3947, 29.6598, 66.5684



38.4572, 29.6598, 34.6512



29.0021, 29.6598, 12.4261



19.9363, 29.6598, 30.0471

Rectangle

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



27.3947, 29.6598, 66.5684



35.2603, 29.6598, 54.8978



29.0021, 29.6598, 12.4261



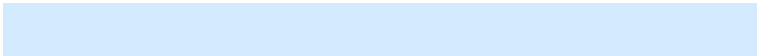
22.1355, 29.6598, 16.9434

Sweetspot

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



27.3958, 29.6609, 66.5691



74.5820, 80.1280, 106.1431



32.8838, 51.2994, 35.5276



15.5043, 16.6929, 22.6548



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.



27.3958, 29.6609, 66.5691



35.3285, 37.2934, 99.9441



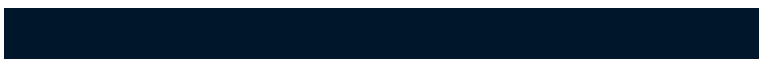
19.9278, 14.7249, 64.0798



12.2718, 13.0670, 15.8129



10.9001, 10.0621, 39.8208



0.7401, 0.7723, 2.4294

Inverse Universe

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



36.4744, 23.4429, 32.7405



51.0559, 29.3768, 40.7011



51.4868, 59.7820, 18.2779



12.6904, 12.5277, 14.3099



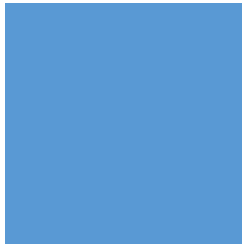
18.5607, 9.3606, 10.2569



1.1612, 0.5813, 0.8385

Previews

White Background



This preview shows how the XYZ color 27.3947, 29.6598, 66.5684 looks on a white background.

Color Contrast Check

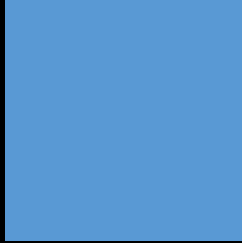
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3947, 29.6598, 66.5684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

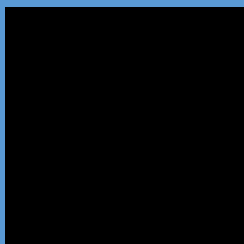
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

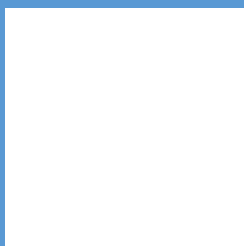
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.3947, 29.6598, 66.5684

Background



This preview shows how black text looks on a background with the XYZ color 27.3947, 29.6598, 66.5684.

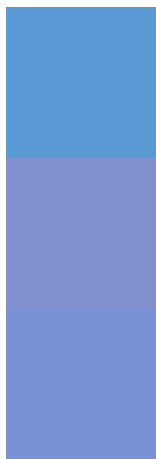


This preview shows how white text looks on a background with the XYZ color 27.3947, 29.6598,

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

27.3947, 29.6598, 66.5684

Protanopia

30.3192, 29.3742, 62.4643

Deuteranopia

30.3016, 29.4778, 67.7110



Tritanopia

22.8613, 29.5752, 44.0388

Trichromacy



Original Color

27.3947, 29.6598, 66.5684

Protanomaly

28.9145, 29.3113, 63.8082

Deuteranomaly

29.0644, 29.5502, 67.1227

Tritanomaly

24.2511, 29.3641, 51.4034

Monochromacy



Original Color

27.3947, 29.6598, 66.5684

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.1265, 27.1784, 40.4809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3947, 29.6598, 66.5684 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, 153, 212)` looks like.

```
.text, #text, p{  
    color:rgb(89, 153, 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, 153, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 153, 212) }
```

Border

The CSS property to change the border of an element to XYZ 27.3947, 29.6598, 66.5684 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, 153, 212) }
```


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

```
.border{ border-color:rgb(89, 153, 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, 153, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 153, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 153, 212);  
box-shadow:4px 4px 4px 4px rgb(89, 153,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3947, 29.6598, 66.5684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 153, 212) }
```

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

```
.background{ background-color: rgb(89, 153,  
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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