

Converting Colors

XYZ(27.6173, 29.7435, 63.4713)

Have a look what the booklet for
XYZ(27.6173, 29.7435, 63.4713)
contains.

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Color

**XYZ(27.6907, 29.8841,
63.3402)**

Conversions

Conversions Part 1

Format	Color
Hex	6299CF
RGB	98, 153, 207
RGB Percent	38%, 60%, 81%
CMY	0.6157, 0.4000, 0.1882
CMYK	0.53, 0.26, 0.00, 0.19
HSL	210°, 53%, 60%
HSV	210°, 53%, 81%
XYZ	27.6907, 29.8841, 63.3402
YIQ	142.7110, -50.1140, 5.1340

Conversions

Conversions Part 2

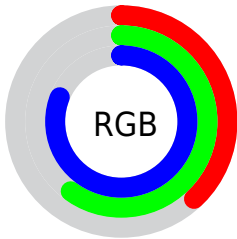
Format	Color
R _Y B	98, 135, 207
Decimal	6461903
CIE Lab	61.55, -2.82, -33.24
CIE LCh	62, 33.362, 265.148
Yxy	29.8841, 0.2290, 0.2471
Android (android.graphics.Color)	4284651983 (0xFF6299CF)
YUV	142.7110, 31.6945, -39.2115
Hunter-Lab	54.6664, -5.2487, -30.4310

Details

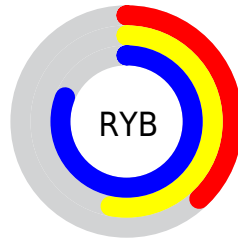
The XYZ color **27.6907, 29.8841, 63.3402** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.1661, 36.6051, 16.5578**, and the grayscale version is **25.8863, 27.2344, 29.6583**.

A 20% lighter version of the original color is **53.8804, 58.8142, 103.1202**, and **11.1464, 12.1448, 31.4625** is the 20% darker color. If you saturate the color by 10%, you get **24.1323, 25.6646, 62.7139**, and if you desaturate by 10%, it is **31.9729, 34.6921, 64.0431**.

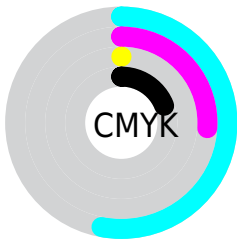
Distribution



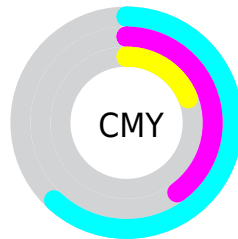
- Red (38%)
- Green (60%)
- Blue (81%)



- Red (38%)
- Yellow (53%)
- Blue (81%)



- Cyan (53%)
- Magenta (26%)
- Yellow (0%)
- Black (19%)



- Cyan (62%)
- Magenta (40%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6907, 29.8841, 63.3402 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 27.6907, 29.8841, 63.3402 by changing the saturation by 10% instead.

■ 27.6907, 29.8841,
63.3402

■ 27.6907, 29.8841,
63.3402

283.0930,
301.3638, 454.9450

■ 18.2319, 19.7506,
45.6737

■ 55.4024, 59.4788,
111.2505

■ 11.2173, 12.2139,
31.6416

■ 74.3859, 79.7089,
142.3314

■ 6.2816, 6.8895,
20.8254

■ 97.2751, 104.0733,
178.7208

■ 3.0593, 3.3931,
12.8064

■ 124.4353,
132.9564, 220.8373

■ 1.1852, 1.3402,
7.1662

156.2318,
166.7426, 269.0994

■ 0.0946, 0.1720,
3.4862

193.0300,

■ 0.0000, 0.0000,

205.8163, 323.9257

1.3480

235.1953,
250.5619, 385.7347

■ 0.0000, 0.0000,
0.1006

■ 0.0000, 0.0000,
0.0000

■ 27.6907, 29.8841,
63.3402

■ 27.6907, 29.8841,
63.3402

■ 24.1323, 25.6646,
62.7139

■ 31.9729, 34.6921,
64.0431

■ 21.2456, 21.9995,
62.1586

■ 37.0199, 40.1131,
64.8235

■ 18.9754, 18.8556,
61.6714

■ 42.8732, 46.1741,
65.6849

■ 17.2550, 16.1925,
61.2481

■ 49.5700, 52.8992,
66.6300

■ 16.2582, 14.4962,
60.9732

■ 57.1452, 60.3109,
67.6613

■ 65.6317, 68.4308,
68.7813

■ 75.0604, 77.2793,
69.9923

■ 82.2235, 85.2069,
71.1450

■ 85.2456, 91.2511,
72.1523

Harmonies

Analogous

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



23.8160, 29.8841, 56.8972



27.6907, 29.8841, 63.3402



32.1733, 29.8841, 59.9398

Triad

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



27.6907, 29.8841, 63.3402



36.8185, 29.8841, 23.2472



21.9811, 29.8841, 20.5107

Complementary

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



27.6907, 29.8841, 63.3402



39.1661, 36.6051, 16.5578

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.



24.9411, 29.8841, 15.0963



27.6907, 29.8841, 63.3402



33.5462, 29.8841, 16.3648

Square

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



27.6907, 29.8841, 63.3402



37.7483, 29.8841, 34.6425



29.1293, 29.8841, 13.8038



20.7449, 29.8841, 30.5219

Rectangle

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



27.6907, 29.8841, 63.3402



34.8695, 29.8841, 52.9161



29.1293, 29.8841, 13.8038



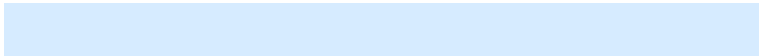
22.7915, 29.8841, 18.2067

Sweetspot

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



27.6917, 29.8852, 63.3409



75.4873, 80.8409, 106.2330



32.9111, 49.4472, 36.9545



15.6763, 16.8207, 22.6704



0.0000, 0.0000, 0.0000



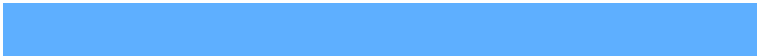
20.3446, 21.4041, 23.3091

Same Dimension

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



27.6917, 29.8852, 63.3409



38.1121, 40.4383, 100.4044



20.8402, 16.1822, 61.0571



11.6496, 12.3894, 15.0211



10.3381, 9.3229, 38.4471



0.6574, 0.6800, 2.1762

Inverse Universe

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



35.8505, 24.3018, 32.9391



53.0522, 32.4391, 44.2345



49.8126, 57.8983, 20.1066



12.0540, 11.9063, 13.5603



17.8489, 9.0124, 9.3767



1.0381, 0.5199, 0.7352

Previews

White Background



This preview shows how the XYZ color 27.6907, 29.8841, 63.3402 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 27.6907, 29.8841, 63.3402 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 27.6907, 29.8841, 63.3402

Background



This preview shows how black text looks on a background with the XYZ color 27.6907, 29.8841, 63.3402.

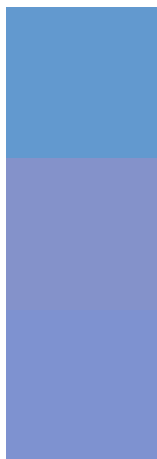


This preview shows how white text looks on a background with the XYZ color 27.6907, 29.8841,

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

27.6907, 29.8841, 63.3402

Protanopia

30.4553, 29.7276, 60.0099

Deuteranopia

30.2682, 29.5475, 63.7824



Tritanopia

23.6823, 29.7533, 43.5245

Trichromacy



Original Color

27.6907, 29.8841, 63.3402

Protanomaly

29.3923, 29.8476, 61.3388

Deuteranomaly

29.3351, 29.7620, 63.8730

Tritanomaly

25.0304, 29.7904, 50.3298

Monochromacy



Original Color

27.6907, 29.8841, 63.3402

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.0690, 28.1326, 40.1325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6907, 29.8841, 63.3402 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(98, 153, 207)` looks like.

```
.text, #text, p{  
    color:rgb(98, 153, 207)  
}
```

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(98, 153, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 153, 207) }
```

Border

The CSS property to change the border of an element to XYZ 27.6907, 29.8841, 63.3402 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(98, 153, 207) }
```


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

```
.border{ border-color:rgb(98, 153, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 153, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 153, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 153, 207);  
box-shadow:4px 4px 4px 4px rgb(98, 153,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6907, 29.8841, 63.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 153, 207) }
```

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

```
.background{ background-color: rgb(98, 153,  
207) }
```

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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