

Converting Colors

XYZ(28.6704, 29.8209, 67.1957)

Have a look what the booklet for
XYZ(28.6704, 29.8209, 67.1957)
contains.

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Color

**XYZ(28.6704, 29.8209,
67.1957)**

Conversions

Conversions Part 1

Format	Color
Hex	6797D5
RGB	103, 151, 213
RGB Percent	40%, 59%, 84%
CMY	0.5961, 0.4078, 0.1647
CMYK	0.52, 0.29, 0.00, 0.16
HSL	214°, 57%, 62%
HSV	214°, 52%, 84%
XYZ	28.6704, 29.8209, 67.1957
YIQ	143.7160, -48.5100, 9.1060

Conversions

Conversions Part 2

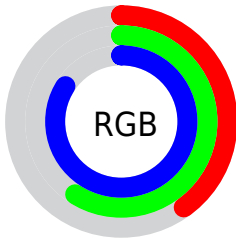
Format	Color
RYB	103, 136, 213
Decimal	6789077
CIELab	61.50, 1.28, -36.66
CIElCh	61, 36.680, 271.997
Yxy	29.8209, 0.2281, 0.2373
Android (android.graphics.Color)	4284979157 (0xFF6797D5)
YUV	143.7160, 34.1570, -35.7079
Hunter-Lab	54.6085, -1.8494, -34.7303

Details

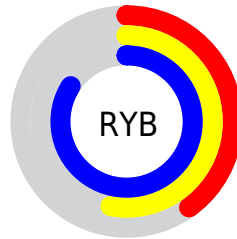
The XYZ color **28.6704, 29.8209, 67.1957** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.3451, 42.0373, 18.6629**, and the grayscale version is **26.2772, 27.6457, 30.1061**.

A 20% lighter version of the original color is **54.3785, 58.3562, 103.0056**, and **11.7250, 12.0966, 34.0646** is the 20% darker color. If you saturate the color by 10%, you get **24.6966, 25.0490, 66.4847**, and if you desaturate by 10%, it is **33.4654, 35.3092, 68.0029**.

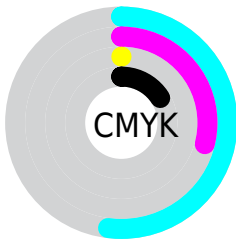
Distribution



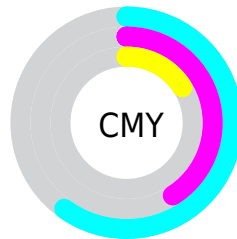
- Red (40%)
- Green (59%)
- Blue (84%)



- Red (40%)
- Yellow (53%)
- Blue (84%)



- Cyan (52%)
- Magenta (29%)
- Yellow (0%)
- Black (16%)



- Cyan (60%)
- Magenta (41%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6704, 29.8209, 67.1957 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 28.6704, 29.8209, 67.1957 by changing the saturation by 10% instead.

■ 28.6704, 29.8209,
67.1957

■ 28.6704, 29.8209,
67.1957

287.6790,
301.0687, 469.1615

■ 18.9747, 19.7027,
48.7811

■ 56.9542, 59.3788,
116.8441

■ 11.7559, 12.1791,
34.0815

■ 76.2730, 79.5873,
148.9150

■ 6.6487, 6.8658,
22.6783

■ 99.5301, 103.9280,
186.3750

■ 3.2877, 3.3783,
14.1531

■ 127.0910,
132.7854, 229.6427

■ 1.3077, 1.3323,
8.0873

159.3209,
166.5437, 279.1367

■ 0.1890, 0.1660,
4.0623

196.5854,

■ 0.0000, 0.0000,

205.5875, 335.2755

1.6596

239.2496,
250.3010, 398.4775

■ 0.0000, 0.0000,
0.3328

■ 0.0000, 0.0000,
0.0000

■ 28.6704, 29.8209,
67.1957

■ 28.6704, 29.8209,
67.1957

■ 24.6966, 25.0490,
66.4847

■ 33.4654, 35.3092,
68.0029

■ 21.4866, 20.9538,
65.8634

■ 39.1271, 41.5443,
68.9080

■ 18.9801, 17.4956,
65.3280

■ 45.7012, 48.5583,
69.9153

■ 17.1044, 14.6273,
64.8732

■ 53.2293, 56.3801,
71.0283

■ 15.9198, 12.6229,
64.5488

■ 61.7501, 65.0372,
72.2502

■ 71.3002, 74.5557,
73.5841

■ 81.9141, 84.9603,
75.0330

■ 86.5258, 92.6151,
76.2675

■ 89.0103, 97.5841,
77.0956

Harmonies

Analogous

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



24.1821, 29.8209, 62.2637



28.6704, 29.8209, 67.1957



33.5846, 29.8209, 60.8369

Triad

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



28.6704, 29.8209, 67.1957



37.0225, 29.8209, 20.2622



20.8736, 29.8209, 21.4635

Complementary

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



28.6704, 29.8209, 67.1957



43.3451, 42.0373, 18.6629

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.



23.6788, 29.8209, 14.6620



28.6704, 29.8209, 67.1957



32.9577, 29.8209, 14.1205

Square

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



28.6704, 29.8209, 67.1957



38.7365, 29.8209, 31.5472



28.0198, 29.8209, 12.4072



19.9992, 29.8209, 33.4104

Rectangle

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



28.6704, 29.8209, 67.1957



36.3560, 29.8209, 51.8735



28.0198, 29.8209, 12.4072



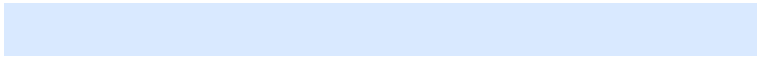
21.6049, 29.8209, 18.6318

Sweetspot

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



28.6715, 29.8220, 67.1964



75.8548, 80.4610, 106.1403



36.0446, 53.1352, 43.2434



15.7176, 16.6838, 22.6418



0.0000, 0.0000, 0.0000



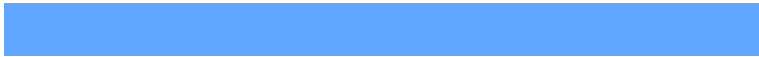
20.3446, 21.4041, 23.3091

Same Dimension

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



28.6715, 29.8220, 67.1964



36.5849, 36.9874, 99.8188



23.1071, 17.7256, 65.1549



12.1840, 12.8913, 15.7836



9.8221, 7.9060, 39.4615



0.6739, 0.6399, 2.4073

Inverse Universe

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



37.8777, 26.0823, 32.3171



52.3781, 32.5400, 39.5425



52.1153, 61.9060, 22.0357



12.6460, 12.5099, 14.0763



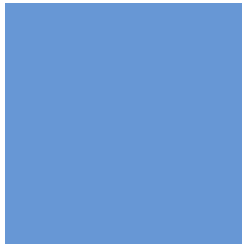
18.0166, 9.1430, 7.3915



1.1278, 0.5679, 0.6625

Previews

White Background



This preview shows how the XYZ color 28.6704, 29.8209, 67.1957 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 28.6704, 29.8209, 67.1957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

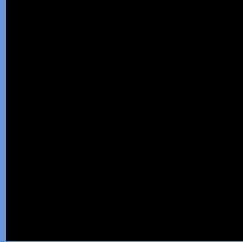
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.6704, 29.8209, 67.1957

Background



This preview shows how black text looks on a background with the XYZ color 28.6704, 29.8209, 67.1957.

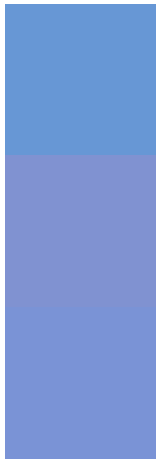


This preview shows how white text looks on a background with the XYZ color 28.6704, 29.8209,

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

28.6704, 29.8209, 67.1957

Protanopia

30.6896, 29.7504, 64.4465

Deuteranopia

30.5974, 29.8601, 67.7692



Tritanopia

23.9644, 29.8987, 43.5377

Trichromacy



Original Color

28.6704, 29.8209, 67.1957

Protanomaly

29.8305, 29.7549, 65.1438

Deuteranomaly

29.7977, 29.6797, 67.7766

Tritanomaly

25.4742, 29.7445, 51.4123

Monochromacy



Original Color

28.6704, 29.8209, 67.1957

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.6484, 28.3991, 41.6132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6704, 29.8209, 67.1957 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(103, 151, 213)` looks like.

```
.text, #text, p{  
    color:rgb(103, 151, 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(103, 151, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 151, 213) }
```

Border

The CSS property to change the border of an element to XYZ 28.6704, 29.8209, 67.1957 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(103, 151, 213) }
```


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

```
.border{ border-color:rgb(103, 151, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 151, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 151, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 151, 213);  
box-shadow:4px 4px 4px 4px rgb(103, 151,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6704, 29.8209, 67.1957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 151, 213) }
```

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

```
.background{ background-color: rgb(103,  
151, 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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