

Converting Colors

XYZ(27.8214, 28.0288, 64.9164)

Have a look what the booklet for
XYZ(27.8214, 28.0288, 64.9164)
contains.

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Color

**XYZ(27.8217, 28.0297,
64.9167)**

Conversions

Conversions Part 1

Format	Color
Hex	6B91D2
RGB	107, 145, 210
RGB Percent	42%, 57%, 82%
CMY	0.5804, 0.4314, 0.1765
CMYK	0.49, 0.31, 0.00, 0.18
HSL	218°, 53%, 62%
HSV	218°, 49%, 82%
XYZ	27.8217, 28.0297, 64.9167
YIQ	141.0480, -43.5130, 12.1590

Conversions

Conversions Part 2

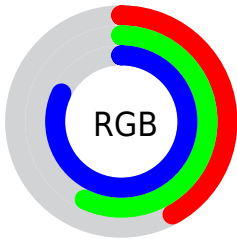
Format	Color
RYB	107, 135, 210
Decimal	7049682
CIELab	59.92, 4.76, -37.44
CIElCh	60, 37.743, 277.249
Yxy	28.0297, 0.2304, 0.2321
Android (android.graphics.Color)	4285239762 (0xFF6B91D2)
YUV	141.0480, 33.9933, -29.8601
Hunter-Lab	52.9431, 1.1517, -35.6389

Details

The XYZ color **27.8217, 28.0297, 64.9167** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.9860, 44.2701, 20.1381**, and the grayscale version is **25.2203, 26.5338, 28.8953**.

A 20% lighter version of the original color is **53.5777, 55.8534, 102.5647**, and **11.2752, 11.2039, 32.5787** is the 20% darker color. If you saturate the color by 10%, you get **23.6885, 23.0664, 64.1771**, and if you desaturate by 10%, it is **32.8062, 33.7835, 65.7651**.

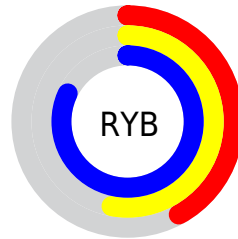
Distribution



Red (42%)

Green (57%)

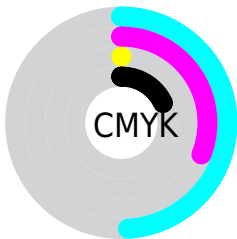
Blue (82%)



Red (42%)

Yellow (53%)

Blue (82%)

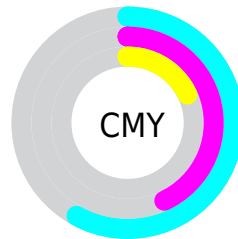


Cyan (49%)

Magenta (31%)

Yellow (0%)

Black (18%)



Cyan (58%)

Magenta (43%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8217, 28.0297, 64.9167 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 27.8217, 28.0297, 64.9167 by changing the saturation by 10% instead.

■ 27.8217, 28.0297,
64.9167

■ 27.8217, 28.0297,
64.9167

283.7095,
292.6088, 460.7906

■ 18.3311, 18.3480,
46.9426

■ 55.6103, 56.5319,
113.5422

■ 11.2891, 11.2002,
32.6363

■ 74.6390, 76.1212,
145.0307

■ 6.3303, 6.2016,
21.5791

■ 97.5777, 99.7818,
181.8612

■ 3.0895, 2.9681,
13.3526

■ 124.7918,
127.8981, 224.4520

■ 1.2013, 1.1151,
7.5382

156.6467,
160.8546, 273.2218

■ 0.1074, 0.0000,
3.7174

193.5077,

■ 0.0000, 0.0000,

199.0356, 328.5892

1.4716

235.7402,
242.8256, 390.9726

■ 0.0000, 0.0000,
0.1967

■ 0.0000, 0.0000,
0.0000

■ 27.8217, 28.0297,
64.9167

■ 27.8217, 28.0297,
64.9167

■ 23.6885, 23.0664,
64.1771

■ 32.8062, 33.7835,
65.7651

■ 20.3503, 18.8512,
63.5394

■ 38.6874, 40.3612,
66.7248

■ 17.7483, 15.3416,
62.9991

■ 45.5106, 47.7976,
67.8005

■ 15.8128, 12.4881,
62.5503

■ 53.3174, 56.1245,
68.9963

■ 14.4352, 10.2203,
62.1852

■ 62.1464, 65.3720,
70.3159

■ 14.3200, 10.0273,
62.1540

■ 72.0345, 75.5685,
71.7629

■ 83.0163, 86.7414,
73.3407

■ 87.3778, 94.9229,
74.6900

■ 88.6330, 97.4332,
75.1084

Harmonies

Analogous

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



23.2330, 28.0297, 61.9158



27.8217, 28.0297, 64.9167



32.6200, 28.0297, 56.7287

Triad

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



27.8217, 28.0297, 64.9167



34.6740, 28.0297, 17.1659



19.0121, 28.0297, 21.4057

Complementary

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



27.8217, 28.0297, 64.9167



43.9860, 44.2701, 20.1381

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.



21.4419, 28.0297, 13.9584



27.8217, 28.0297, 64.9167



30.3679, 28.0297, 12.0726

Square

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



27.8217, 28.0297, 64.9167



36.8728, 28.0297, 27.3077



25.4949, 28.0297, 11.1064



18.5028, 28.0297, 33.9739

Rectangle

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



27.8217, 28.0297, 64.9167



35.1711, 28.0297, 47.1465



25.4949, 28.0297, 11.1064



19.6159, 28.0297, 18.3489

Sweetspot

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



27.8227, 28.0307, 64.9174



75.1280, 79.0075, 105.8980



36.4158, 52.1417, 46.4333



15.5434, 16.3354, 22.5838



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.



27.8227, 28.0307, 64.9174



36.4030, 35.3562, 99.5135



24.5019, 19.0931, 63.3673



11.5158, 12.1218, 14.9764



8.8233, 6.2932, 37.9422



0.5683, 0.5018, 2.1465

Inverse Universe

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



36.9478, 26.2627, 29.9107



52.5957, 33.8117, 37.0364



48.9856, 59.1589, 22.7484



11.9865, 11.8793, 13.2046



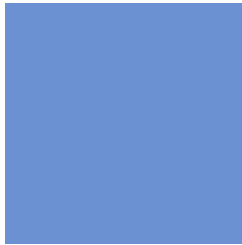
17.0843, 8.7066, 5.3503



0.9931, 0.5020, 0.4984

Previews

White Background



This preview shows how the XYZ color 27.8217, 28.0297, 64.9167 looks on a white background.

Color Contrast Check

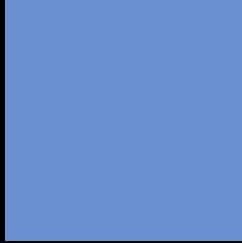
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8217, 28.0297, 64.9167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

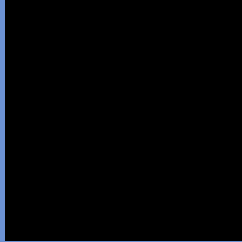
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.8217, 28.0297, 64.9167

Background



This preview shows how black text looks on a background with the XYZ color 27.8217, 28.0297, 64.9167.



This preview shows how white text looks on a background with the XYZ color 27.8217, 28.0297,

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

27.8217, 28.0297, 64.9167

Protanopia

29.1039, 28.0619, 62.9140

Deuteranopia

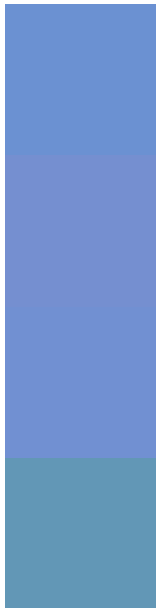
28.6578, 28.0111, 64.8690



Tritanopia

22.9527, 28.1915, 40.3082

Trichromacy



Original Color

27.8217, 28.0297, 64.9167

Protanomaly

28.5437, 27.9809, 63.5709

Deuteranomaly

28.4162, 28.1104, 64.9009

Tritanomaly

24.5471, 28.1073, 48.3874

Monochromacy



Original Color

27.8217, 28.0297, 64.9167

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.6092, 26.7663, 39.8931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8217, 28.0297, 64.9167 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(107, 145, 210)` looks like.

```
.text, #text, p{  
    color:rgb(107, 145, 210)  
}
```

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(107, 145, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 145, 210) }
```

Border

The CSS property to change the border of an element to XYZ 27.8217, 28.0297, 64.9167 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(107, 145, 210) }
```


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

```
.border{ border-color:rgb(107, 145, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 145, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 145, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 145, 210);  
box-shadow:4px 4px 4px 4px rgb(107, 145,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8217, 28.0297, 64.9167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 145, 210) }
```

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

```
.background{ background-color: rgb(107,  
145, 210) }
```

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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