

Converting Colors

XYZ(28.6114, 28.1773, 69.4572)

Have a look what the booklet for
XYZ(28.6114, 28.1773, 69.4572)
contains.

XYZ(28.5610, 28.0821, 69.5607)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.5610, 28.0821,
69.5607)**

Conversions

Conversions Part 1

Format	Color
Hex	6B90D9
RGB	107, 144, 217
RGB Percent	42%, 56%, 85%
CMY	0.5804, 0.4353, 0.1490
CMYK	0.51, 0.34, 0.00, 0.15
HSL	220°, 59%, 64%
HSV	220°, 51%, 85%
XYZ	28.5610, 28.0821, 69.5607
YIQ	141.2590, -45.4850, 14.8590

Conversions

Conversions Part 2

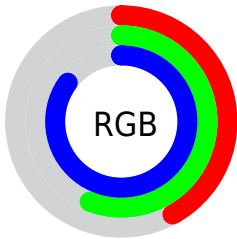
Format	Color
RYB	107, 135, 217
Decimal	7049433
CIELab	59.96, 7.47, -41.28
CIElCh	60, 41.953, 280.262
Yxy	28.0821, 0.2263, 0.2225
Android (android.graphics.Color)	4285239513 (0xFF6B90D9)
YUV	141.2590, 37.3403, -30.0451
Hunter-Lab	52.9925, 3.4679, -40.7323

Details

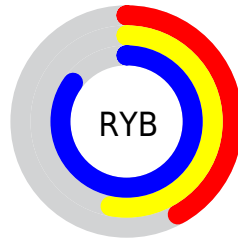
The XYZ color **28.5610, 28.0821, 69.5607** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.5914, 48.4571, 20.7560**, and the grayscale version is **25.2908, 26.6079, 28.9760**.

A 20% lighter version of the original color is **53.5539, 55.5007, 102.4978**, and **11.6966, 11.2184, 35.7313** is the 20% darker color. If you saturate the color by 10%, you get **24.2282, 22.8147, 68.7729**, and if you desaturate by 10%, it is **33.8287, 34.2454, 70.4733**.

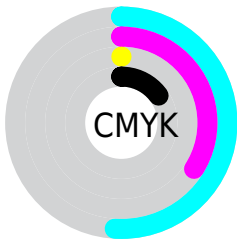
Distribution



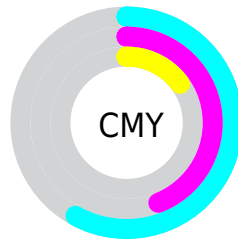
- Red (42%)
- Green (56%)
- Blue (85%)



- Red (42%)
- Yellow (53%)
- Blue (85%)



- Cyan (51%)
- Magenta (34%)
- Yellow (0%)
- Black (15%)



- Cyan (58%)
- Magenta (44%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5610, 28.0821, 69.5607 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 28.5610, 28.0821, 69.5607 by changing the saturation by 10% instead.

■ 28.5610, 28.0821,
69.5607

■ 28.5610, 28.0821,
69.5607

287.1697,
292.8590, 477.7534

■ 18.8916, 18.3876,
50.6939

■ 56.7813, 56.6155,
120.2573

■ 11.6955, 11.2286,
35.5900

■ 76.0628, 76.2231,
152.9242

■ 6.6074, 6.2208,
23.8305

■ 99.2792, 99.9039,
191.0281

■ 3.2619, 2.9798,
14.9969

■ 126.7956,
128.0423, 234.9878

■ 1.2938, 1.1212,
8.6706

158.9775,
161.0225, 285.2216

■ 0.1785, 0.0000,
4.4331

196.1903,

■ 0.0000, 0.0000,

199.2292, 342.1481

1.8658

238.7992,
243.0465, 406.1858

■ 0.0000, 0.0000,
0.4709

■ 0.0000, 0.0000,
0.0000

■ 28.5610, 28.0821,
69.5607

■ 28.5610, 28.0821,
69.5607

■ 24.2282, 22.8147,
68.7729

■ 33.8287, 34.2454,
70.4733

■ 20.7668, 18.3937,
68.1020

■ 40.0829, 41.3445,
71.5139

■ 18.1096, 14.7684,
67.5423

■ 47.3747, 49.4203,
72.6883

■ 16.1768, 11.8800,
67.0866

■ 55.7509, 58.5101,
74.0014

■ 14.9063, 9.7735,
66.7470

■ 65.2552, 68.6492,
75.4575

■ 75.9288, 79.8712,
77.0610

■ 86.3595, 91.4599,
78.7481

■ 89.5245, 97.7898,
79.8031

Harmonies

Analogous

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



23.3740, 28.0821, 67.4101



28.5610, 28.0821, 69.5607



33.8861, 28.0821, 58.9263

Triad

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



28.5610, 28.0821, 69.5607



35.3108, 28.0821, 15.2468



18.1521, 28.0821, 21.6881

Complementary

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



28.5610, 28.0821, 69.5607



47.5914, 48.4571, 20.7560

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.



20.5944, 28.0821, 13.1887



28.5610, 28.0821, 69.5607



30.3082, 28.0821, 10.4204

Square

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



28.5610, 28.0821, 69.5607



38.1132, 28.0821, 25.6351



24.9048, 28.0821, 9.8194



17.8149, 28.0821, 36.1156

Rectangle

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



28.5610, 28.0821, 69.5607



36.6276, 28.0821, 47.5902



24.9048, 28.0821, 9.8194



18.7370, 28.0821, 18.1947

Sweetspot

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



28.5620, 28.0831, 69.5614



74.7810, 78.3133, 105.7823



38.9634, 55.9868, 51.1372



15.4604, 16.1693, 22.5561



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.



28.5620, 28.0831, 69.5614



34.4359, 32.2800, 99.0234



26.0233, 19.7743, 68.0914



12.6948, 13.3294, 16.5559



9.1111, 6.0915, 40.4340



0.6683, 0.5506, 2.6455

Inverse Universe

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



38.9079, 27.2818, 29.6017



51.3933, 32.5287, 33.1771



51.4207, 63.0363, 23.3682



13.2358, 13.1234, 14.5031



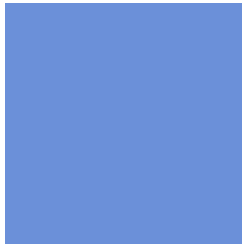
18.0942, 9.2387, 4.8759



1.2116, 0.6143, 0.5232

Previews

White Background



This preview shows how the XYZ color 28.5610, 28.0821, 69.5607 looks on a white background.

Color Contrast Check

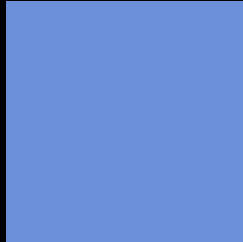
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5610, 28.0821, 69.5607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

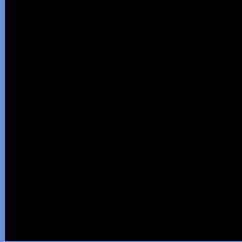
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

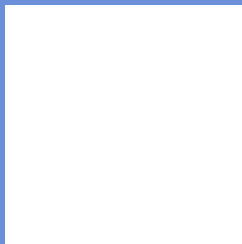
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5610, 28.0821, 69.5607

Background



This preview shows how black text looks on a background with the XYZ color 28.5610, 28.0821, 69.5607.



This preview shows how white text looks on a background with the XYZ color 28.5610, 28.0821,

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

28.5610, 28.0821, 69.5607

Protanopia

29.5465, 28.1742, 68.1709

Deuteranopia

28.7773, 27.9697, 69.5276



Tritanopia

22.7529, 28.0885, 40.2988

Trichromacy



Original Color

28.5610, 28.0821, 69.5607

Protanomaly

29.2874, 28.2476, 68.8745

Deuteranomaly

28.6535, 27.9059, 69.5218

Tritanomaly

24.5931, 27.8569, 49.9797

Monochromacy



Original Color

28.5610, 28.0821, 69.5607

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.8877, 26.8777, 41.3596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5610, 28.0821, 69.5607 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, 144, 217)` looks like.

```
.text, #text, p{  
    color:rgb(107, 144, 217)  
}
```

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, 144, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 144, 217) }
```

Border

The CSS property to change the border of an element to XYZ 28.5610, 28.0821, 69.5607 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, 144, 217) }
```


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

```
.border{ border-color:rgb(107, 144, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 144, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 144, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 144, 217);  
box-shadow:4px 4px 4px 4px rgb(107, 144,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5610, 28.0821, 69.5607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 144, 217) }
```

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

```
.background{ background-color: rgb(107,  
144, 217) }
```

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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