

Converting Colors

XYZ(27.9214, 30.5249, 68.6987)

Have a look what the booklet for
XYZ(27.9214, 30.5249, 68.6987)
contains.

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Color

**XYZ(27.9920, 30.6617,
68.7329)**

Conversions

Conversions Part 1

Format	Color
Hex	569CD7
RGB	86, 156, 215
RGB Percent	34%, 61%, 84%
CMY	0.6627, 0.3882, 0.1569
CMYK	0.60, 0.27, 0.00, 0.16
HSL	207°, 62%, 59%
HSV	207°, 60%, 84%
XYZ	27.9920, 30.6617, 68.7329
YIQ	141.7960, -60.6590, 3.5090

Conversions

Conversions Part 2

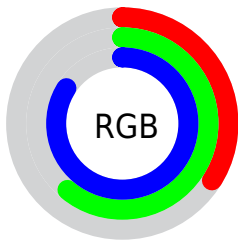
Format	Color
R _Y B	86, 131, 215
Decimal	5676247
CIE Lab	62.22, -4.50, -36.70
CIE LCh	62, 36.977, 263.012
Yxy	30.6617, 0.2197, 0.2407
Android (android.graphics.Color)	4283866327 (0xFF569CD7)
YUV	141.7960, 36.0896, -48.9331
Hunter-Lab	55.3730, -6.6680, -34.8338

Details

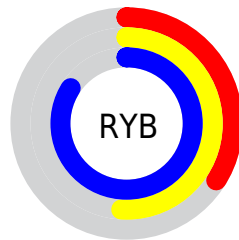
The XYZ color **27.9920, 30.6617, 68.7329** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **39.8309, 35.3718, 13.5337**, and the grayscale version is **25.5110, 26.8395, 29.2282**.

A 20% lighter version of the original color is **52.7736, 59.3329, 103.2787**, and **11.3967, 12.6412, 35.0970** is the 20% darker color. If you saturate the color by 10%, you get **24.7182, 26.6232, 68.1265**, and if you desaturate by 10%, it is **31.9968, 35.2765, 69.4132**.

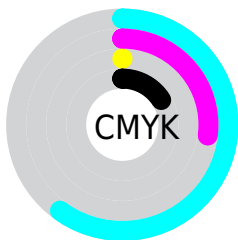
Distribution



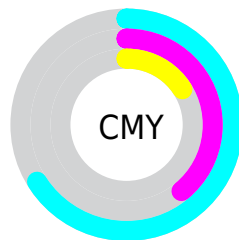
- Red (34%)
- Green (61%)
- Blue (84%)



- Red (34%)
- Yellow (51%)
- Blue (84%)



- Cyan (60%)
- Magenta (27%)
- Yellow (0%)
- Black (16%)



- Cyan (66%)
- Magenta (39%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9920, 30.6617, 68.7329 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 27.9920, 30.6617, 68.7329 by changing the saturation by 10% instead.

■ 27.9920, 30.6617,
68.7329

■ 27.9920, 30.6617,
68.7329

284.5095,
304.9767, 474.7568

■ 18.4601, 20.3414,
50.0238

■ 55.8804, 60.7071,
119.0641

■ 11.3825, 12.6434,
35.0610

■ 74.9676, 81.2009,
151.5233

■ 6.3939, 7.1835,
23.4259

■ 97.9705, 105.8547,
189.4029

■ 3.1290, 3.5771,
14.7001

■ 125.2546,
135.0528, 233.1216

■ 1.2223, 1.4399,
8.4649

157.1852,
169.1797, 283.0977

■ 0.1239, 0.2459,
4.3018

194.1276,

■ 0.0000, 0.0000,

208.6197, 339.7499

1.7923

236.4473,
253.7573, 403.4968

■ 0.0000, 0.0000,
0.4229

■ 0.0000, 0.0000,
0.0000

■ 27.9920, 30.6617,
68.7329

■ 27.9920, 30.6617,
68.7329

■ 24.7182, 26.6232,
68.1265

■ 31.9968, 35.2765,
69.4132

■ 22.1138, 23.1229,
67.5882

■ 36.7808, 40.4952,
70.1683

■ 20.1111, 20.1216,
67.1144

■ 42.3915, 46.3474,
71.0022

■ 18.5886, 17.5517,
66.6986

■ 48.8714, 52.8591,
71.9176

■ 18.5881, 17.5509,
66.6985

■ 56.2599, 60.0548,
72.9171

■ 64.5939, 67.9575,
74.0032

■ 73.9081, 76.5889,
75.1783

■ 83.1201, 85.3949,
76.3925

■ 86.0086, 91.1719,
77.3553

Harmonies

Analogous

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



23.7464, 30.6617, 60.4746



27.9920, 30.6617, 68.7329



33.0544, 30.6617, 65.5761

Triad

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



27.9920, 30.6617, 68.7329



38.8894, 30.6617, 23.7597



22.1354, 30.6617, 19.4393

Complementary

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



27.9920, 30.6617, 68.7329



39.8309, 35.3718, 13.5337

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.



25.5530, 30.6617, 13.9518



27.9920, 30.6617, 68.7329



35.3009, 30.6617, 15.9038

Square

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



27.9920, 30.6617, 68.7329



39.7340, 30.6617, 36.8389



30.3252, 30.6617, 12.8734



20.6242, 30.6617, 30.1547

Rectangle

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



27.9920, 30.6617, 68.7329



36.1854, 30.6617, 57.7596



30.3252, 30.6617, 12.8734



23.0793, 30.6617, 17.0624

Sweetspot

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



27.9931, 30.6628, 68.7337



73.7975, 79.6392, 106.0901



33.1773, 52.5954, 34.8106



15.1516, 16.4099, 22.6188



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.



27.9931, 30.6628, 68.7337



35.2457, 37.7103, 100.0289



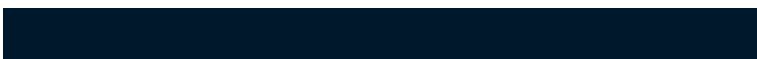
19.9711, 14.6188, 66.0597



12.2953, 13.1140, 15.8207



11.2251, 10.7120, 39.9291



0.7594, 0.8108, 2.4358

Inverse Universe

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



37.3539, 23.5043, 34.0215



50.8719, 28.7588, 41.4107



52.3951, 60.5002, 17.7218



12.7023, 12.5324, 14.3723



18.7248, 9.4262, 11.1206



1.1709, 0.5852, 0.8896

Previews

White Background



This preview shows how the XYZ color 27.9920, 30.6617, 68.7329 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 27.9920, 30.6617, 68.7329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

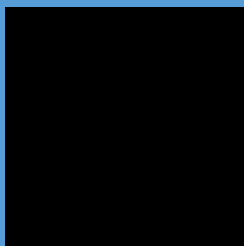
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

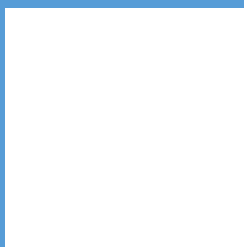
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.9920, 30.6617, 68.7329

Background



This preview shows how black text looks on a background with the XYZ color 27.9920, 30.6617, 68.7329.

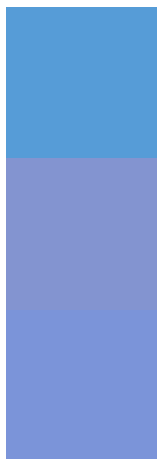


This preview shows how white text looks on a background with the XYZ color 27.9920, 30.6617,

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

27.9920, 30.6617, 68.7329

Protanopia

31.3351, 30.5592, 63.9215

Deuteranopia

31.2827, 30.4005, 69.8648



Tritanopia

23.3879, 30.5942, 45.7469

Trichromacy



Original Color

27.9920, 30.6617, 68.7329

Protanomaly

29.8947, 30.4812, 65.9359

Deuteranomaly

29.8917, 30.4061, 69.2592

Tritanomaly

24.7667, 30.3552, 53.2690

Monochromacy



Original Color

27.9920, 30.6617, 68.7329

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.6212, 27.8696, 41.5651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9920, 30.6617, 68.7329 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(86, 156, 215)` looks like.

```
.text, #text, p{  
    color:rgb(86, 156, 215)  
}
```

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(86, 156, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 156, 215) }
```

Border

The CSS property to change the border of an element to XYZ 27.9920, 30.6617, 68.7329 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(86, 156, 215) }
```


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

```
.border{ border-color:rgb(86, 156, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 156, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 156, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 156, 215);  
box-shadow:4px 4px 4px 4px rgb(86, 156,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9920, 30.6617, 68.7329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 156, 215) }
```

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

```
.background{ background-color: rgb(86, 156,  
215) }
```

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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