

Converting Colors

XYZ(29.6695, 30.6175, 68.6492)

Have a look what the booklet for
XYZ(29.6695, 30.6175, 68.6492)
contains.

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Color

**XYZ(29.6783, 30.5509,
68.6227)**

Conversions

Conversions Part 1

Format	Color
Hex	6C98D7
RGB	108, 152, 215
RGB Percent	42%, 60%, 84%
CMY	0.5765, 0.4039, 0.1569
CMYK	0.50, 0.29, 0.00, 0.16
HSL	215°, 57%, 63%
HSV	215°, 50%, 84%
XYZ	29.6783, 30.5509, 68.6227
YIQ	146.0260, -46.4470, 10.2650

Conversions

Conversions Part 2

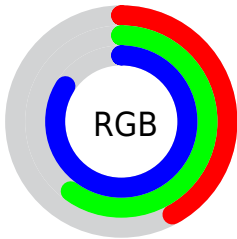
Format	Color
RYB	108, 139, 215
Decimal	7117015
CIELab	62.13, 2.46, -36.77
CIELCh	62, 36.855, 273.825
Yxy	30.5509, 0.2303, 0.2371
Android (android.graphics.Color)	4285307095 (0xFF6C98D7)
YUV	146.0260, 34.0042, -33.3488
Hunter-Lab	55.2729, -0.8835, -34.9191

Details

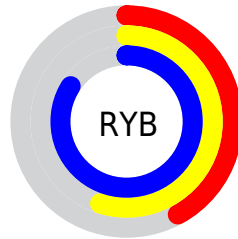
The XYZ color **29.6783, 30.5509, 68.6227** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.2952, 44.6571, 20.4211**, and the grayscale version is **27.2119, 28.6291, 31.1771**.

A 20% lighter version of the original color is **55.6384, 59.3619, 103.1333**, and **12.2655, 12.4984, 35.0237** is the 20% darker color. If you saturate the color by 10%, you get **25.4326, 25.4736, 67.8670**, and if you desaturate by 10%, it is **34.7901, 36.4014, 69.4831**.

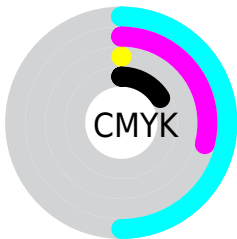
Distribution



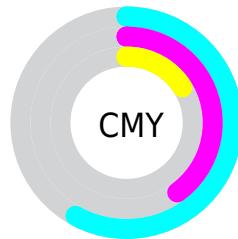
- Red (42%)
- Green (60%)
- Blue (84%)



- Red (42%)
- Yellow (55%)
- Blue (84%)



- Cyan (50%)
- Magenta (29%)
- Yellow (0%)
- Black (16%)



- Cyan (58%)
- Magenta (40%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6783, 30.5509, 68.6227 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 29.6783, 30.5509, 68.6227 by changing the saturation by 10% instead.

■ 29.6783, 30.5509,
68.6227

■ 29.6783, 30.5509,
68.6227

292.3389,
304.4640, 474.3570

■ 19.7414, 20.2571,
49.9346

■ 58.5432, 60.5323,
118.9051

■ 12.3144, 12.5821,
34.9907

■ 78.2019, 80.9887,
151.3366

■ 7.0319, 7.1414,
23.3722

■ 101.8319,
105.6015, 189.1863

■ 3.5286, 3.5507,
14.6607

129.7985,
134.7549, 232.8728

■ 1.4390, 1.4255,
8.4376

162.4672,
168.8335, 282.8145

■ 0.2838, 0.2354,
4.2845

200.2032,

■ 0.0000, 0.0000,

208.2216, 339.4301

1.7827

243.3720,
253.3036, 403.1381

■ 0.0000, 0.0000,
0.4165

■ 0.0000, 0.0000,
0.0000

■ 29.6783, 30.5509,
68.6227

■ 29.6783, 30.5509,
68.6227

■ 25.4326, 25.4736,
67.8670

■ 34.7901, 36.4014,
69.4831

■ 21.9948, 21.1276,
67.2094

■ 40.8148, 43.0572,
70.4503

■ 19.3035, 17.4712,
66.6455

■ 47.7992, 50.5523,
71.5289

■ 17.2861, 14.4555,
66.1697

■ 55.7860, 58.9178,
72.7226

■ 15.8202, 12.0056,
65.7741

■ 64.8151, 68.1827,
74.0350

■ 15.7893, 11.9533,
65.7656

■ 74.9242, 78.3749,
75.4695

■ 84.8476, 88.8499,
76.9684

■ 88.7181, 96.5908,
78.2585

■ 89.2659, 97.6863,
78.4411

Harmonies

Analogous

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



25.0319, 30.5509, 64.2786



29.6783, 30.5509, 68.6227



34.6747, 30.5509, 61.4943

Triad

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



29.6783, 30.5509, 68.6227



37.6999, 30.5509, 20.2630



21.2944, 30.5509, 22.6154

Complementary

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



29.6783, 30.5509, 68.6227



45.2952, 44.6571, 20.4211

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.



24.0474, 30.5509, 15.3468



29.6783, 30.5509, 68.6227



33.4496, 30.5509, 14.2849

Square

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



29.6783, 30.5509, 68.6227



39.6270, 30.5509, 31.4765



28.4064, 30.5509, 12.7817



20.5260, 30.5509, 35.1194

Rectangle

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



29.6783, 30.5509, 68.6227



37.4335, 30.5509, 52.1244



28.4064, 30.5509, 12.7817



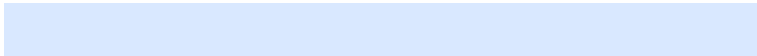
22.0017, 30.5509, 19.6107

Sweetspot

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



29.6794, 30.5520, 68.6234



75.5826, 79.9165, 106.0495



37.7810, 54.7080, 46.8069



15.6523, 16.5532, 22.6201



0.0000, 0.0000, 0.0000



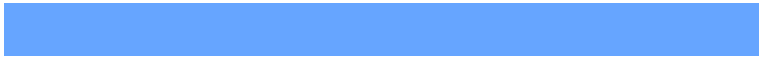
20.3446, 21.4041, 23.3091

Same Dimension

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



29.6794, 30.5520, 68.6234



36.9692, 36.9243, 99.7864



24.9544, 19.4089, 66.7216



12.1578, 12.8391, 15.7749



9.5425, 7.3468, 39.3683



0.6560, 0.6040, 2.4013

Inverse Universe

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



39.0553, 27.4404, 32.9448



52.7751, 33.4762, 39.2366



52.4848, 62.8181, 23.5475



12.6329, 12.5046, 14.0069



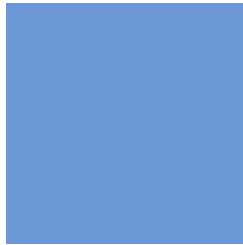
17.8755, 9.0865, 6.6483



1.1188, 0.5643, 0.6148

Previews

White Background



This preview shows how the XYZ color 29.6783, 30.5509, 68.6227 looks on a white background.

Color Contrast Check

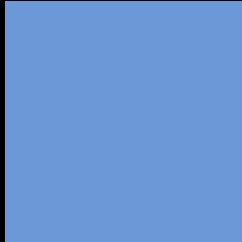
Large Text (above 18pt) WCAG AA × Fail

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 29.6783, 30.5509, 68.6227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

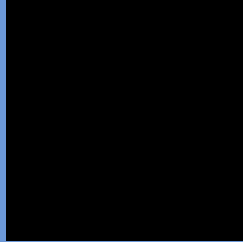
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.6783, 30.5509, 68.6227

Background



This preview shows how black text looks on a background with the XYZ color 29.6783, 30.5509, 68.6227.



This preview shows how white text looks on a background with the XYZ color 29.6783, 30.5509,

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

29.6783, 30.5509, 68.6227

Protanopia

31.3975, 30.3164, 65.8248

Deuteranopia

31.1530, 30.3486, 69.1817



Tritanopia

24.8329, 30.5916, 44.1311

Trichromacy



Original Color

29.6783, 30.5509, 68.6227

Protanomaly

30.6572, 30.3859, 66.5366

Deuteranomaly

30.6133, 30.3043, 69.2016

Tritanomaly

26.3896, 30.4541, 52.0643

Monochromacy



Original Color

29.6783, 30.5509, 68.6227

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.4563, 29.0256, 42.6835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6783, 30.5509, 68.6227 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(108, 152, 215)` looks like.

```
.text, #text, p{  
    color:rgb(108, 152, 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(108, 152, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 152, 215) }
```

Border

The CSS property to change the border of an element to XYZ 29.6783, 30.5509, 68.6227 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(108, 152, 215) }
```


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

```
.border{ border-color:rgb(108, 152, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 152, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 152, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 152, 215);  
box-shadow:4px 4px 4px 4px rgb(108, 152,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6783, 30.5509, 68.6227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 152, 215) }
```

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

```
.background{ background-color: rgb(108,  
152, 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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