

Converting Colors

XYZ(28.3595, 30.1941, 66.6221)

Have a look what the booklet for
XYZ(28.3595, 30.1941, 66.6221)
contains.

XYZ(28.3119, 30.1326, 66.6113)	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(28.3119, 30.1326,
66.6113)**

Conversions

Conversions Part 1

Format	Color
Hex	6299D4
RGB	98, 153, 212
RGB Percent	38%, 60%, 83%
CMY	0.6157, 0.4000, 0.1686
CMYK	0.54, 0.28, 0.00, 0.17
HSL	211°, 57%, 61%
HSV	211°, 54%, 83%
XYZ	28.3119, 30.1326, 66.6113
YIQ	143.2810, -51.7190, 6.6890

Conversions

Conversions Part 2

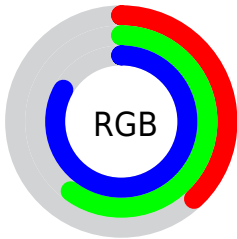
Format	Color
R _Y B	98, 135, 212
Decimal	6461908
CIE Lab	61.77, -1.29, -35.70
CIE LCh	62, 35.722, 267.938
Yxy	30.1326, 0.2264, 0.2410
Android (android.graphics.Color)	4284651988 (0xFF6299D4)
YUV	143.2810, 33.8785, -39.7114
Hunter-Lab	54.8932, -3.9992, -33.5215

Details

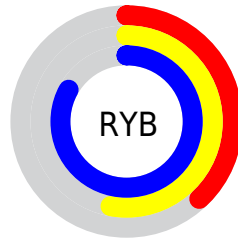
The XYZ color **28.3119, 30.1326, 66.6113** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.4141, 38.9944, 16.9006**, and the grayscale version is **26.1053, 27.4648, 29.9092**.

A 20% lighter version of the original color is **53.8804, 58.8142, 103.1202**, and **11.5303, 12.2944, 33.6636** is the 20% darker color. If you saturate the color by 10%, you get **24.6061, 25.6782, 65.9474**, and if you desaturate by 10%, it is **32.7906, 35.2318, 67.3601**.

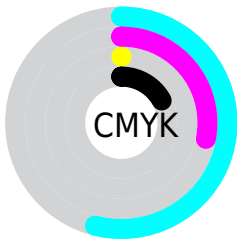
Distribution



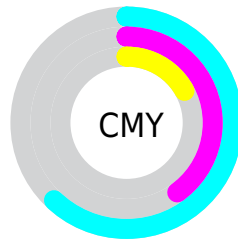
- Red (38%)
- Green (60%)
- Blue (83%)



- Red (38%)
- Yellow (53%)
- Blue (83%)



- Cyan (54%)
- Magenta (28%)
- Yellow (0%)
- Black (17%)



- Cyan (62%)
- Magenta (40%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3119, 30.1326, 66.6113 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 28.3119, 30.1326, 66.6113 by changing the saturation by 10% instead.

■ 28.3119, 30.1326,
66.6113

■ 28.3119, 30.1326,
66.6113

286.0074,
302.5220, 467.0237

■ 18.7026, 19.9393,
48.3092

■ 56.3872, 59.8718,
115.9986

■ 11.5583, 12.3509,
33.7101

■ 75.5838, 80.1865,
147.9209

■ 6.5137, 6.9831,
22.3954

■ 98.7070, 104.6437,
185.2204

■ 3.2035, 3.4515,
13.9466

■ 126.1220,
133.6279, 228.3155

■ 1.2623, 1.3718,
7.9452

158.1942,
167.5234, 277.6249

■ 0.1547, 0.1958,
3.9727

195.2889,

■ 0.0000, 0.0000,

206.7147, 333.5670

1.6104

237.7715,
251.5861, 396.5604

■ 0.0000, 0.0000,
0.2982

■ 0.0000, 0.0000,
0.0000

■ 28.3119, 30.1326,
66.6113

■ 28.3119, 30.1326,
66.6113

■ 24.6061, 25.6782,
65.9474

■ 32.7906, 35.2318,
67.3601

■ 21.6168, 21.8311,
65.3624

■ 38.0870, 41.0034,
68.1950

■ 19.2837, 18.5541,
64.8528

■ 44.2459, 47.4772,
69.1199

■ 17.5336, 15.8022,
64.4139

■ 51.3075, 54.6800,
70.1380

■ 16.6626, 14.3112,
64.1720

■ 59.3097, 62.6367,
71.2520

■ 68.2879, 71.3713,
72.4648

■ 78.2756, 80.9063,
73.7788

■ 84.5138, 88.7937,
74.9724

■ 87.8562, 95.4785,
76.0866

Harmonies

Analogous

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



24.0494, 30.1326, 60.4274



28.3119, 30.1326, 66.6113



33.1477, 30.1326, 61.8564

Triad

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



28.3119, 30.1326, 66.6113



37.5147, 30.1326, 21.9933



21.5602, 30.1326, 20.7650

Complementary

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



28.3119, 30.1326, 66.6113



41.4141, 38.9944, 16.9006

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.



24.5610, 30.1326, 14.6675



28.3119, 30.1326, 66.6113



33.7808, 30.1326, 15.2262

Square

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



28.3119, 30.1326, 66.6113



38.7995, 30.1326, 33.7620



28.9709, 30.1326, 12.9614



20.4297, 30.1326, 31.8746

Rectangle

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



28.3119, 30.1326, 66.6113



35.9899, 30.1326, 53.6989



28.9709, 30.1326, 12.9614



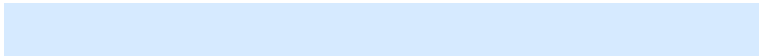
22.3660, 30.1326, 18.1906

Sweetspot

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



28.3130, 30.1337, 66.6120



75.2297, 80.3258, 106.1471



34.6588, 52.1154, 40.0875



15.6150, 16.6981, 22.6500



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.



28.3130, 30.1337, 66.6120



36.4220, 37.8125, 99.9866



21.4970, 16.1938, 64.2806



12.2321, 12.9875, 15.7997



10.3859, 9.0336, 39.6494



0.7091, 0.7102, 2.4190

Inverse Universe

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



37.2698, 25.0335, 33.0056



52.0149, 31.3191, 40.9460



52.3556, 61.6858, 20.7037



12.6703, 12.5196, 14.2042



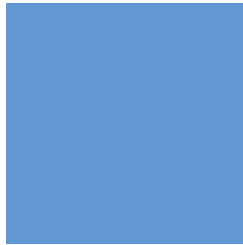
18.3012, 9.2568, 8.8901



1.1456, 0.5750, 0.7559

Previews

White Background



This preview shows how the XYZ color 28.3119, 30.1326, 66.6113 looks on a white background.

Color Contrast Check

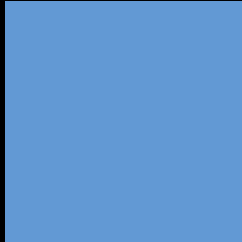
Large Text (above 18pt) WCAG AA × Fail

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 28.3119, 30.1326, 66.6113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

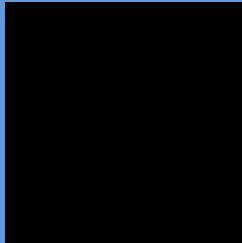
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.3119, 30.1326, 66.6113

Background



This preview shows how black text looks on a background with the XYZ color 28.3119, 30.1326, 66.6113.

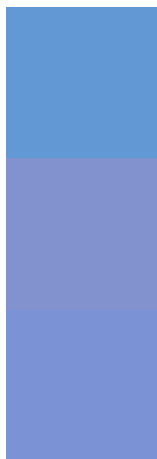


This preview shows how white text looks on a background with the XYZ color 28.3119, 30.1326,

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

28.3119, 30.1326, 66.6113

Protanopia

30.7473, 29.8086, 63.1646

Deuteranopia

30.6123, 29.8825, 67.1052



Tritanopia

23.7698, 30.0436, 44.0813

Trichromacy



Original Color

28.3119, 30.1326, 66.6113

Protanomaly

29.7273, 29.9499, 64.5357

Deuteranomaly

29.6971, 29.8764, 67.1523

Tritanomaly

25.1464, 29.8256, 51.4453

Monochromacy



Original Color

28.3119, 30.1326, 66.6113

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.2540, 28.2066, 41.1065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3119, 30.1326, 66.6113 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(98, 153, 212)` looks like.

```
.text, #text, p{  
    color:rgb(98, 153, 212)  
}
```

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(98, 153, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 153, 212) }
```

Border

The CSS property to change the border of an element to XYZ 28.3119, 30.1326, 66.6113 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(98, 153, 212) }
```


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

```
.border{ border-color:rgb(98, 153, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 153, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 153, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 153, 212);  
box-shadow:4px 4px 4px 4px rgb(98, 153,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3119, 30.1326, 66.6113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 153, 212) }
```

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

```
.background{ background-color: rgb(98, 153,  
212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor