

Converting Colors

XYZ(27.9906, 30.9454, 57.1340)

Have a look what the booklet for
XYZ(27.9906, 30.9454, 57.1340)
contains.

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Color

**XYZ(28.0299, 30.9340,
57.3168)**

Conversions

Conversions Part 1

Format	Color
Hex	6B9CC5
RGB	107, 156, 197
RGB Percent	42%, 61%, 77%
CMY	0.5804, 0.3882, 0.2274
CMYK	0.46, 0.21, 0.00, 0.23
HSL	207°, 44%, 60%
HSV	207°, 46%, 77%
XYZ	28.0299, 30.9340, 57.3168
YIQ	146.0230, -42.3650, 2.3630

Conversions

Conversions Part 2

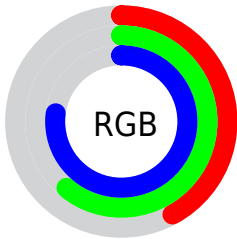
Format	Color
R _Y B	107, 139, 197
Decimal	7052485
CIE Lab	62.45, -5.34, -26.23
CIE LCh	62, 26.764, 258.483
Yxy	30.9340, 0.2411, 0.2660
Android (android.graphics.Color)	4285242565 (0xFF6B9CC5)
YUV	146.0230, 25.1317, -34.2232
Hunter-Lab	55.6183, -7.3737, -22.1677

Details

The XYZ color **28.0299, 30.9340, 57.3168** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **36.2704, 34.1124, 18.5836**, and the grayscale version is **27.2446, 28.6635, 31.2145**.

A 20% lighter version of the original color is **55.8363, 60.9303, 102.5838**, and **11.4257, 12.8164, 27.8582** is the 20% darker color. If you saturate the color by 10%, you get **24.4752, 26.9484, 56.7354**, and if you desaturate by 10%, it is **32.2375, 35.4226, 57.9620**.

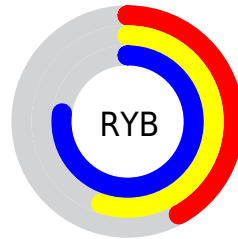
Distribution



Red (42%)

Green (61%)

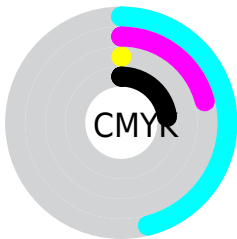
Blue (77%)



Red (42%)

Yellow (55%)

Blue (77%)

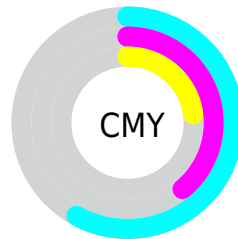


Cyan (46%)

Magenta (21%)

Yellow (0%)

Black (23%)



Cyan (58%)

Magenta (39%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0299, 30.9340, 57.3168 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 28.0299, 30.9340, 57.3168 by changing the saturation by 10% instead.

■ 28.0299, 30.9340,
57.3168

■ 28.0299, 30.9340,
57.3168

284.6872,
306.2341, 432.1623

■ 18.4888, 20.5486,
40.8486

■ 55.9405, 61.1361,
102.4322

■ 11.4033, 12.7944,
27.8820

■ 75.0406, 81.7217,
131.9165

■ 6.4081, 7.2872,
17.9984

■ 98.0579, 106.4760,
166.5765

■ 3.1378, 3.6423,
10.7794

■ 125.3575,
135.7836, 206.8309

■ 1.2270, 1.4756,
5.8064

157.3049,
170.0288, 253.0981

■ 0.1275, 0.2714,
2.6609

194.2654,

■ 0.0000, 0.0000,

209.5961, 305.7967

0.9236

236.6044,
254.8697, 365.3453

■ 0.0000, 0.0000,
0.0000

■ 28.0299, 30.9340,
57.3168

■ 28.0299, 30.9340,
57.3168

■ 24.4752, 26.9484,
56.7354

■ 32.2375, 35.4226,
57.9620

■ 21.5307, 23.4385,
56.2131

■ 37.1308, 40.4327,
58.6711

■ 19.1533, 20.3788,
55.7479

■ 42.7440, 45.9859,
59.4472

■ 17.2918, 17.7393,
55.3365

■ 49.1080, 52.1013,
60.2921

■ 15.8833, 15.4836,
54.9753

■ 56.2517, 58.7970,
61.2080

■ 15.3627, 14.6004,
54.8323

■ 64.2025, 66.0902,
62.1967

■ 72.9863, 73.9973,
63.2600

■ 79.0059, 80.6667,
64.2300

■ 81.5363, 85.7276,
65.0735

Harmonies

Analogous

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



25.0129, 30.9340, 50.9798



28.0299, 30.9340, 57.3168



31.6710, 30.9340, 56.4252

Triad

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



28.0299, 30.9340, 57.3168



36.5324, 30.9340, 27.7327



24.4783, 30.9340, 22.0914

Complementary

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



28.0299, 30.9340, 57.3168



36.2704, 34.1124, 18.5836

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.



27.2437, 30.9340, 18.0555



28.0299, 30.9340, 57.3168



34.2763, 30.9340, 20.8199

Square

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



28.0299, 30.9340, 57.3168



36.7867, 30.9340, 37.8335



30.8178, 30.9340, 17.6437



23.0780, 30.9340, 29.8456

Rectangle

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



28.0299, 30.9340, 57.3168



33.9636, 30.9340, 51.8820



30.8178, 30.9340, 17.6437



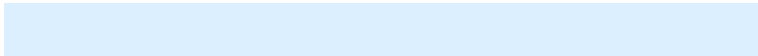
25.2680, 30.9340, 20.3300

Sweetspot

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



28.0309, 30.9352, 57.3175



78.1433, 83.9057, 106.6846



31.3363, 45.1813, 34.8802



16.2210, 17.4678, 22.7666



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.



28.0309, 30.9352, 57.3175



43.7421, 48.1572, 101.5976



21.8815, 18.6364, 55.2677



10.5271, 11.2283, 13.5299



10.1891, 9.7721, 36.0935



0.5542, 0.6062, 1.7329

Inverse Universe

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



34.2852, 24.7870, 34.4311



56.7583, 37.2309, 53.5482



44.6401, 50.8517, 21.3735



10.8713, 10.7319, 12.3058



16.9423, 8.5265, 10.1720



0.8384, 0.4182, 0.6724

Previews

White Background



This preview shows how the XYZ color 28.0299, 30.9340, 57.3168 looks on a white background.

Color Contrast Check

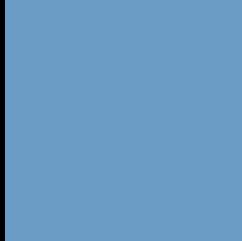
Large Text (above 18pt) WCAG AA × Fail

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 28.0299, 30.9340, 57.3168 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 28.0299, 30.9340, 57.3168

Background



This preview shows how black text looks on a background with the XYZ color 28.0299, 30.9340, 57.3168.

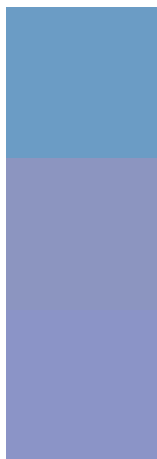


This preview shows how white text looks on a background with the XYZ color 28.0299, 30.9340,

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

28.0299, 30.9340, 57.3168

Protanopia

31.0771, 30.8761, 54.1909

Deuteranopia

31.5462, 30.7923, 58.3137



Tritanopia

25.3692, 30.8681, 44.1562

Trichromacy



Original Color

28.0299, 30.9340, 57.3168

Protanomaly

29.8679, 30.9407, 55.4369

Deuteranomaly

30.0120, 30.7225, 57.7743

Tritanomaly

26.4352, 31.0572, 48.8573

Monochromacy



Original Color

28.0299, 30.9340, 57.3168

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.2136, 29.4348, 39.8445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0299, 30.9340, 57.3168 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, 156, 197)` looks like.

```
.text, #text, p{  
    color:rgb(107, 156, 197)  
}
```

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, 156, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 156, 197) }
```

Border

The CSS property to change the border of an element to XYZ 28.0299, 30.9340, 57.3168 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, 156, 197) }
```


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

```
.border{ border-color:rgb(107, 156, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 156, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 156, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 156, 197);  
box-shadow:4px 4px 4px 4px rgb(107, 156,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0299, 30.9340, 57.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 156, 197) }
```

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

```
.background{ background-color: rgb(107,  
156, 197) }
```

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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