

Converting Colors

XYZ(30.4117, 30.4957, 63.2348)

Have a look what the booklet for
XYZ(30.4117, 30.4957, 63.2348)
contains.

XYZ(30.4810, 30.6028, 63.3319)	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(30.4810, 30.6028,
63.3319)**

Conversions

Conversions Part 1

Format	Color
Hex	7C96CF
RGB	124, 150, 207
RGB Percent	49%, 59%, 81%
CMY	0.5137, 0.4118, 0.1882
CMYK	0.40, 0.28, 0.00, 0.19
HSL	221°, 46%, 65%
HSV	221°, 40%, 81%
XYZ	30.4810, 30.6028, 63.3319
YIQ	148.7240, -33.7930, 12.2150

Conversions

Conversions Part 2

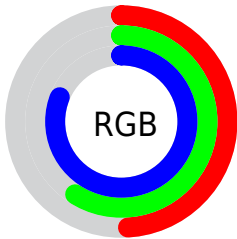
Format	Color
RYB	124, 144, 207
Decimal	8165071
CIELab	62.17, 5.30, -32.17
CIELCh	62, 32.605, 279.353
Yxy	30.6028, 0.2450, 0.2460
Android (android.graphics.Color)	4286355151 (0xFF7C96CF)
YUV	148.7240, 28.7301, -21.6829
Hunter-Lab	55.3198, 1.5432, -29.1533

Details

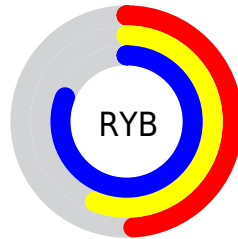
The XYZ color **30.4810, 30.6028, 63.3319** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.8949, 47.7692, 25.8714**, and the grayscale version is **28.3455, 29.8216, 32.4758**.

A 20% lighter version of the original color is **58.2333, 59.9894, 103.1176**, and **12.6551, 12.4928, 31.4501** is the 20% darker color. If you saturate the color by 10%, you get **25.6652, 24.9550, 62.4961**, and if you desaturate by 10%, it is **36.2021, 37.1271, 64.2902**.

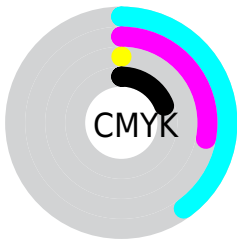
Distribution



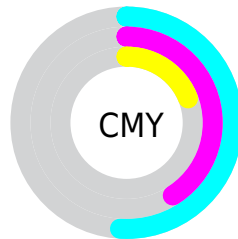
- Red (49%)
- Green (59%)
- Blue (81%)



- Red (49%)
- Yellow (56%)
- Blue (81%)



- Cyan (40%)
- Magenta (28%)
- Yellow (0%)
- Black (19%)



- Cyan (51%)
- Magenta (41%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4810, 30.6028, 63.3319 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 30.4810, 30.6028, 63.3319 by changing the saturation by 10% instead.

■ 30.4810, 30.6028,
63.3319

■ 30.4810, 30.6028,
63.3319

296.0099,
304.7042, 454.9141

■ 20.3539, 20.2966,
45.6670

■ 59.8034, 60.6142,
111.2384

■ 12.7623, 12.6108,
31.6364

■ 79.7295, 81.0881,
142.3171

■ 7.3409, 7.1611,
20.8214

■ 103.6525,
105.7201, 178.7042

■ 3.7244, 3.5631,
12.8035

131.9378,
134.8945, 220.8182

■ 1.5474, 1.4323,
7.1643

164.9509,
168.9957, 269.0776

■ 0.3578, 0.2403,
3.4850

203.0570,

■ 0.0000, 0.0000,

208.4081, 323.9011

1.3473

246.6215,
253.5162, 385.7070

■ 0.0000, 0.0000,
0.1001

■ 0.0000, 0.0000,
0.0000

■ 30.4810, 30.6028,
63.3319

■ 30.4810, 30.6028,
63.3319

■ 25.6652, 24.9550,
62.4961

■ 36.2021, 37.1271,
64.2902

■ 21.7020, 20.1401,
61.7757

■ 42.8706, 44.5615,
65.3738

■ 18.5380, 16.1158,
61.1656

■ 50.5301, 52.9424,
66.5877

■ 16.1118, 12.8339,
60.6601

■ 59.2202, 62.3027,
67.9364

■ 14.3520, 10.2401,
60.2522

■ 68.9782, 72.6738,
69.4240

■ 13.1439, 8.2677,
59.9351

■ 79.8397, 84.0856,
71.0542

■ 86.5369, 93.8337,
72.5828

■ 88.2626, 97.2850,
73.1580

Harmonies

Analogous

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



26.2100, 30.6028, 61.4606



30.4810, 30.6028, 63.3319



34.7766, 30.6028, 55.7372

Triad

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



30.4810, 30.6028, 63.3319



36.1172, 30.6028, 20.2189



21.8793, 30.6028, 25.5007

Complementary

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



30.4810, 30.6028, 63.3319



45.8949, 47.7692, 25.8714

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.



24.0546, 30.6028, 17.9015



30.4810, 30.6028, 63.3319



32.1673, 30.6028, 15.4278

Square

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



30.4810, 30.6028, 63.3319



38.2397, 30.6028, 29.5437



27.7362, 30.6028, 14.7023



21.5255, 30.6028, 37.4078

Rectangle

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



30.4810, 30.6028, 63.3319



36.9732, 30.6028, 47.2313



27.7362, 30.6028, 14.7023



22.4105, 30.6028, 22.4516

Sweetspot

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



30.4821, 30.6040, 63.3326



78.3333, 81.9687, 106.3007



38.9373, 52.2361, 51.5950



16.4087, 17.1546, 22.6963



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.



30.4821, 30.6040, 63.3326



42.2119, 41.2781, 100.3504



29.1548, 24.4291, 62.2107



11.4615, 12.0133, 14.9584



8.3563, 5.3592, 37.7865



0.5379, 0.4410, 2.1363

Inverse Universe

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



38.4457, 29.8838, 32.5972



56.9181, 40.8638, 43.3869



47.6351, 57.2598, 27.6115



11.9591, 11.8684, 13.0605



16.8486, 8.6123, 4.1089



0.9777, 0.4958, 0.4176

Previews

White Background



This preview shows how the XYZ color 30.4810, 30.6028, 63.3319 looks on a white background.

Color Contrast Check

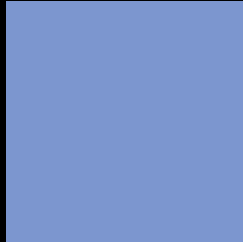
Large Text (above 18pt) WCAG AA × Fail

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 30.4810, 30.6028, 63.3319 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 30.4810, 30.6028, 63.3319

Background



This preview shows how black text looks on a background with the XYZ color 30.4810, 30.6028, 63.3319.



This preview shows how white text looks on a background with the XYZ color 30.4810, 30.6028,

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

30.4810, 30.6028, 63.3319

Protanopia

31.2822, 30.5741, 62.0103

Deuteranopia

31.2125, 30.5101, 63.2754



Tritanopia

26.2521, 30.5936, 42.5517

Trichromacy



Original Color

30.4810, 30.6028, 63.3319

Protanomaly

31.0939, 30.6969, 62.6788

Deuteranomaly

30.9120, 30.5891, 63.3065

Tritanomaly

27.5741, 30.3817, 49.2107

Monochromacy



Original Color

30.4810, 30.6028, 63.3319

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.8184, 29.9726, 42.2966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4810, 30.6028, 63.3319 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(124, 150, 207)` looks like.

```
.text, #text, p{  
    color:rgb(124, 150, 207)  
}
```

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(124, 150, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 150, 207) }
```

Border

The CSS property to change the border of an element to XYZ 30.4810, 30.6028, 63.3319 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(124, 150, 207) }
```


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

```
.border{ border-color:rgb(124, 150, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 150, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 150, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 150, 207);  
box-shadow:4px 4px 4px 4px rgb(124, 150,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4810, 30.6028, 63.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 150, 207) }
```

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

```
.background{ background-color: rgb(124,  
150, 207) }
```

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