

Converting Colors

XYZ(30.9397, 34.5036, 58.0886)

Have a look what the booklet for
XYZ(30.9397, 34.5036, 58.0886)
contains.

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Color

**XYZ(30.8247, 34.4337,
57.8451)**

Conversions

Conversions Part 1

Format	Color
Hex	76A4C5
RGB	118, 164, 197
RGB Percent	46%, 64%, 77%
CMY	0.5372, 0.3569, 0.2274
CMYK	0.40, 0.17, 0.00, 0.23
HSL	205°, 41%, 62%
HSV	205°, 40%, 77%
XYZ	30.8247, 34.4337, 57.8451
YIQ	154.0080, -38.0090, 0.5110

Conversions

Conversions Part 2

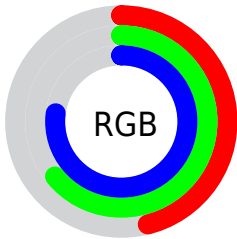
Format	Color
RYB	118, 147, 197
Decimal	7775429
CIELab	65.31, -6.93, -21.80
CIELCh	65, 22.875, 252.364
Yxy	34.4337, 0.2504, 0.2797
Android (android.graphics.Color)	4285965509 (0xFF76A4C5)
YUV	154.0080, 21.1951, -31.5790
Hunter-Lab	58.6802, -8.9244, -17.3700

Details

The XYZ color **30.8247, 34.4337, 57.8451** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.3633, 35.3122, 21.9872**, and the grayscale version is **30.6415, 32.2372, 35.1063**.

A 20% lighter version of the original color is **60.4545, 66.7030, 103.4546**, and **12.9321, 14.6953, 28.1415** is the 20% darker color. If you saturate the color by 10%, you get **26.9985, 30.3460, 57.2584**, and if you desaturate by 10%, it is **35.3071, 39.0027, 58.4914**.

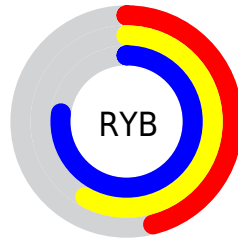
Distribution



Red (46%)

Green (64%)

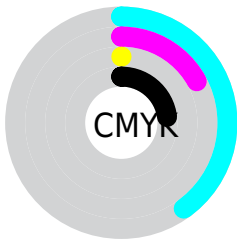
Blue (77%)



Red (46%)

Yellow (58%)

Blue (77%)

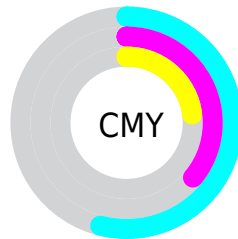


Cyan (40%)

Magenta (17%)

Yellow (0%)

Black (23%)



Cyan (54%)

Magenta (36%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8247, 34.4337, 57.8451 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 30.8247, 34.4337, 57.8451 by changing the saturation by 10% instead.

■ 30.8247, 34.4337,
57.8451

■ 30.8247, 34.4337,
57.8451

297.5712,
322.0616, 434.1906

■ 20.6166, 23.2270,
41.2703

■ 60.3417, 66.6075,
103.2098

■ 12.9549, 14.7612,
28.2090

■ 80.3813, 88.3435,
132.8367

■ 7.4743, 8.6520,
18.2429

■ 104.4287,
114.3579, 167.6515

■ 3.8094, 4.5149,
10.9533

132.8494,
145.0352, 208.0725

■ 1.5949, 1.9655,
5.9216

166.0086,
180.7599, 254.5184

■ 0.3891, 0.5873,
2.7295

204.2717,

■ 0.0000, 0.0000,

221.9162, 307.4077

0.9582

248.0042,
268.8887, 367.1589

■ 0.0000, 0.0000,
0.0000

■ 30.8247, 34.4337,
57.8451

■ 30.8247, 34.4337,
57.8451

■ 26.9985, 30.3460,
57.2584

■ 35.3071, 39.0027,
58.4914

■ 23.7884, 26.7139,
56.7265

■ 40.4761, 44.0689,
59.1968

■ 21.1545, 23.5151,
56.2479

■ 46.3641, 49.6524,
59.9642

■ 19.0506, 20.7226,
55.8198

■ 53.0005, 55.7706,
60.7954

■ 17.4221, 18.3056,
55.4391

■ 60.4128, 62.4403,
61.6921

■ 16.1761, 16.2272,
55.1036

■ 68.6270, 69.6771,
62.6560

■ 77.3347, 77.3244,
63.6731

■ 79.5689, 81.7927,
64.4178

■ 81.9111, 86.4771,
65.1986

Harmonies

Analogous

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



28.2176, 34.4337, 51.2700



30.8247, 34.4337, 57.8451



34.1197, 34.4337, 58.4305

Triad

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



30.8247, 34.4337, 57.8451



39.3959, 34.4337, 33.6981



28.5969, 34.4337, 25.5004

Complementary

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



30.8247, 34.4337, 57.8451



37.3633, 35.3122, 21.9872

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.



31.3750, 34.4337, 22.2699



30.8247, 34.4337, 57.8451



37.6955, 34.4337, 26.4348

Square

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



30.8247, 34.4337, 57.8451



39.2235, 34.4337, 43.3326



34.7085, 34.4337, 22.5801



26.9927, 34.4337, 32.2021

Rectangle

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



30.8247, 34.4337, 57.8451



36.2800, 34.4337, 55.2305



34.7085, 34.4337, 22.5801



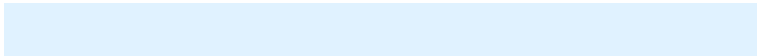
29.4161, 34.4337, 24.0280

Sweetspot

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



30.8258, 34.4350, 57.8459



80.7317, 86.7655, 107.1001



33.0175, 46.0165, 36.3855



16.9721, 18.2815, 22.8841



0.0000, 0.0000, 0.0000



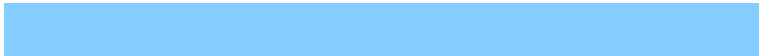
20.3446, 21.4041, 23.3091

Same Dimension

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



30.8258, 34.4350, 57.8459



49.2224, 55.2992, 102.6873



24.8312, 22.4458, 55.8477



10.5611, 11.2962, 13.5413



10.7237, 10.8413, 36.2717



0.5782, 0.6541, 1.7409

Inverse Universe

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



36.2062, 27.5085, 38.5248



60.4567, 42.2792, 62.0209



44.8006, 50.1868, 24.4663



10.8885, 10.7388, 12.3960



17.2122, 8.6344, 11.5930



0.8505, 0.4231, 0.7360

Previews

White Background



This preview shows how the XYZ color 30.8247, 34.4337, 57.8451 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 30.8247, 34.4337, 57.8451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

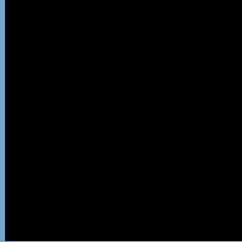
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.8247, 34.4337, 57.8451

Background



This preview shows how black text looks on a background with the XYZ color 30.8247, 34.4337, 57.8451.



This preview shows how white text looks on a background with the XYZ color 30.8247, 34.4337,

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

30.8247, 34.4337, 57.8451

Protanopia

34.1491, 34.4037, 54.7099

Deuteranopia

34.9790, 34.2416, 58.7985



Tritanopia

28.9964, 34.5101, 48.3129

Trichromacy



Original Color

30.8247, 34.4337, 57.8451

Protanomaly

32.7896, 34.4399, 55.9583

Deuteranomaly

33.2351, 34.1064, 58.2576

Tritanomaly

29.5694, 34.4624, 51.5478

Monochromacy



Original Color

30.8247, 34.4337, 57.8451

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.4671, 33.0187, 42.7977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8247, 34.4337, 57.8451 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(118, 164, 197)` looks like.

```
.text, #text, p{  
    color:rgb(118, 164, 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(118, 164, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 164, 197) }
```

Border

The CSS property to change the border of an element to XYZ 30.8247, 34.4337, 57.8451 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(118, 164, 197) }
```


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

```
.border{ border-color:rgb(118, 164, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 164, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 164, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 164, 197);  
box-shadow:4px 4px 4px 4px rgb(118, 164,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8247, 34.4337, 57.8451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 164, 197) }
```

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

```
.background{ background-color: rgb(118,  
164, 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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