

Converting Colors

XYZ(30.8240, 34.2094, 58.0337)

Have a look what the booklet for
XYZ(30.8240, 34.2094, 58.0337)
contains.

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Color

**XYZ(30.7830, 34.1475,
57.7920)**

Conversions

Conversions Part 1

Format	Color
Hex	77A3C5
RGB	119, 163, 197
RGB Percent	47%, 64%, 77%
CMY	0.5333, 0.3608, 0.2274
CMYK	0.40, 0.17, 0.00, 0.23
HSL	206°, 40%, 62%
HSV	206°, 40%, 77%
XYZ	30.7830, 34.1475, 57.7920
YIQ	153.7200, -37.1380, 1.2460

Conversions

Conversions Part 2

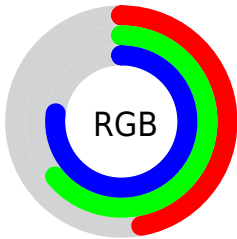
Format	Color
R _Y B	119, 147, 197
Decimal	7840709
CIE Lab	65.08, -6.11, -22.14
CIE LCh	65, 22.968, 254.568
Yxy	34.1475, 0.2508, 0.2782
Android (android.graphics.Color)	4286030789 (0xFF77A3C5)
YUV	153.7200, 21.3370, -30.4494
Hunter-Lab	58.4359, -8.2321, -17.7316

Details

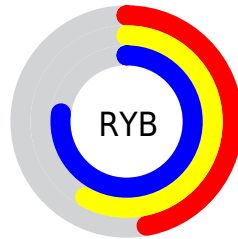
The XYZ color **30.7830, 34.1475, 57.7920** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.7478, 35.9856, 22.4103**, and the grayscale version is **30.5146, 32.1037, 34.9609**.

A 20% lighter version of the original color is **60.4164, 66.2972, 103.3783**, and **12.8891, 14.5103, 28.1080** is the 20% darker color. If you saturate the color by 10%, you get **26.8813, 29.9497, 57.1880**, and if you desaturate by 10%, it is **35.3508, 38.8439, 58.4584**.

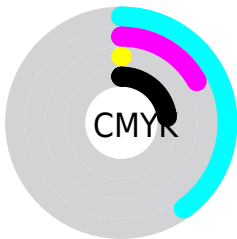
Distribution



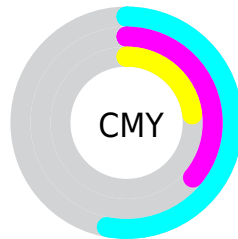
- Red (47%)
- Green (64%)
- Blue (77%)



- Red (47%)
- Yellow (58%)
- Blue (77%)



- Cyan (40%)
- Magenta (17%)
- Yellow (0%)
- Black (23%)



- Cyan (53%)
- Magenta (36%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7830, 34.1475, 57.7920 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 30.7830, 34.1475, 57.7920 by changing the saturation by 10% instead.

■ 30.7830, 34.1475,
57.7920

■ 30.7830, 34.1475,
57.7920

297.3821,
320.7892, 433.9870

■ 20.5847, 23.0069,
41.2279

■ 60.2764, 66.1630,
103.1317

■ 12.9315, 14.5986,
28.1761

■ 80.3023, 87.8067,
132.7443

■ 7.4581, 8.5382,
18.2183

■ 104.3346,
113.7202, 167.5435

■ 3.7990, 4.4412,
10.9358

132.7389,
144.2880, 207.9478

■ 1.5891, 1.9233,
5.9100

165.8804,
179.8944, 254.3758

■ 0.3853, 0.5623,
2.7225

204.1246,

■ 0.0000, 0.0000,

220.9238, 307.2459

0.9547

247.8367,
267.7606, 366.9768

■ 0.0000, 0.0000,
0.0000

■ 30.7830, 34.1475,
57.7920

■ 30.7830, 34.1475,
57.7920

■ 26.8813, 29.9497,
57.1880

■ 35.3508, 38.8439,
58.4584

■ 23.6055, 26.2245,
56.6416

■ 40.6153, 44.0554,
59.1868

■ 20.9158, 22.9490,
56.1511

■ 46.6090, 49.8023,
59.9802

■ 18.7660, 20.0961,
55.7138

■ 53.3613, 56.1026,
60.8404

■ 17.1016, 17.6344,
55.3264

■ 60.9000, 62.9732,
61.7692

■ 15.8252, 15.5104,
54.9836

■ 69.2512, 70.4305,
62.7684

■ 15.7768, 15.4285,
54.9704

■ 77.7359, 78.1267,
63.8068

■ 80.0903, 82.8354,
64.5915

■ 82.5627, 87.7803,
65.4157

Harmonies

Analogous

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



28.1075, 34.1475, 51.5812



30.7830, 34.1475, 57.7920



34.0924, 34.1475, 57.8881

Triad

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



30.7830, 34.1475, 57.7920



39.0518, 34.1475, 32.7591



28.1695, 34.1475, 25.5933

Complementary

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



30.7830, 34.1475, 57.7920



37.7478, 35.9856, 22.4103

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.



30.8731, 34.1475, 22.1146



30.7830, 34.1475, 57.7920



37.2318, 34.1475, 25.7460

Square

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



30.7830, 34.1475, 57.7920



39.0235, 34.1475, 42.2738



34.1889, 34.1475, 22.1653



26.6704, 34.1475, 32.5143

Rectangle

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



30.7830, 34.1475, 57.7920



36.2239, 34.1475, 54.4056



34.1889, 34.1475, 22.1653



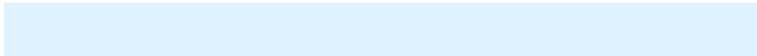
28.9592, 34.1475, 24.0395

Sweetspot

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



30.7841, 34.1488, 57.7928



80.5661, 86.4344, 107.0450



33.3082, 46.1485, 37.2036



16.9331, 18.2035, 22.8711



0.0000, 0.0000, 0.0000



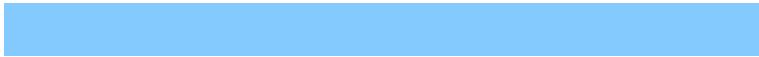
20.3446, 21.4041, 23.3091

Same Dimension

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



30.7841, 34.1488, 57.7928



48.6976, 54.2496, 102.5123



24.9196, 22.4199, 55.8380



10.5447, 11.2636, 13.5358



10.4614, 10.3167, 36.1843



0.5665, 0.6308, 1.7370

Inverse Universe

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



36.2346, 27.7094, 38.0903



60.1918, 42.1733, 60.6260



45.1622, 50.8145, 24.8818



10.8802, 10.7355, 12.3526



17.0797, 8.5815, 10.8957



0.8446, 0.4207, 0.7050

Previews

White Background



This preview shows how the XYZ color 30.7830, 34.1475, 57.7920 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 30.7830, 34.1475, 57.7920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

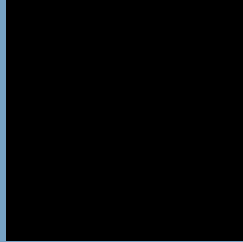
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

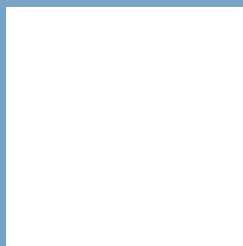
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7830, 34.1475, 57.7920

Background



This preview shows how black text looks on a background with the XYZ color 30.7830, 34.1475, 57.7920.

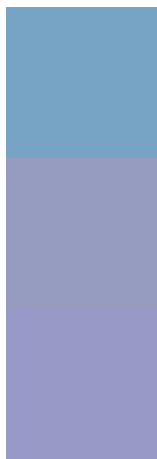


This preview shows how white text looks on a background with the XYZ color 30.7830, 34.1475,

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

30.7830, 34.1475, 57.7920

Protanopia

33.7973, 33.9723, 54.6452

Deuteranopia

34.6269, 33.8140, 58.7346



Tritanopia

28.7123, 34.1045, 47.7174

Trichromacy



Original Color

30.7830, 34.1475, 57.7920

Protanomaly

32.6170, 34.0946, 55.9008

Deuteranomaly

32.8975, 33.6801, 58.1931

Tritanomaly

29.5205, 34.1684, 51.4936

Monochromacy



Original Color

30.7830, 34.1475, 57.7920

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.2972, 32.6789, 42.7410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7830, 34.1475, 57.7920 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(119, 163, 197)` looks like.

```
.text, #text, p{  
    color:rgb(119, 163, 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(119, 163, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 163, 197) }
```

Border

The CSS property to change the border of an element to XYZ 30.7830, 34.1475, 57.7920 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(119, 163, 197) }
```


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

```
.border{ border-color:rgb(119, 163, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 163, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 163, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 163, 197);  
box-shadow:4px 4px 4px 4px rgb(119, 163,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7830, 34.1475, 57.7920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 163, 197) }
```

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

```
.background{ background-color: rgb(119,  
163, 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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