

Converting Colors

XYZ(31.2192, 34.4338, 57.4346)

Have a look what the booklet for
XYZ(31.2192, 34.4338, 57.4346)
contains.

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Color

**XYZ(31.0870, 34.3175,
57.2100)**

Conversions

Conversions Part 1

Format	Color
Hex	7AA3C4
RGB	122, 163, 196
RGB Percent	48%, 64%, 77%
CMY	0.5216, 0.3608, 0.2314
CMYK	0.38, 0.17, 0.00, 0.23
HSL	207°, 39%, 62%
HSV	207°, 38%, 77%
XYZ	31.0870, 34.3175, 57.2100
YIQ	154.5030, -35.0290, 1.5710

Conversions

Conversions Part 2

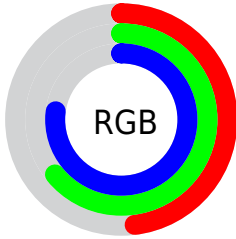
Format	Color
R _Y B	122, 148, 196
Decimal	8037316
CIE Lab	65.21, -5.56, -21.36
CIE LCh	65, 22.075, 255.401
Yxy	34.3175, 0.2535, 0.2799
Android (android.graphics.Color)	4286227396 (0xFF7AA3C4)
YUV	154.5030, 20.4580, -28.5051
Hunter-Lab	58.5811, -7.7932, -16.8955

Details

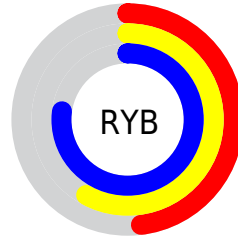
The XYZ color **31.0870, 34.3175, 57.2100** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.9997, 36.5840, 23.4719**, and the grayscale version is **30.8610, 32.4681, 35.3578**.

A 20% lighter version of the original color is **60.9325, 66.5818, 102.5686**, and **13.0212, 14.5871, 27.7205** is the 20% darker color. If you saturate the color by 10%, you get **27.0882, 30.0320, 56.5942**, and if you desaturate by 10%, it is **35.7550, 39.1087, 57.8894**.

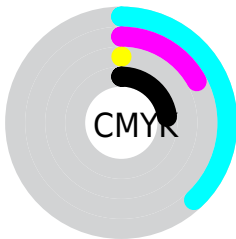
Distribution



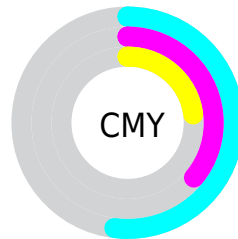
- Red (48%)
- Green (64%)
- Blue (77%)



- Red (48%)
- Yellow (58%)
- Blue (77%)



- Cyan (38%)
- Magenta (17%)
- Yellow (0%)
- Black (23%)



- Cyan (52%)
- Magenta (36%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0870, 34.3175, 57.2100 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 31.0870, 34.3175, 57.2100 by changing the saturation by 10% instead.

■ 31.0870, 34.3175,
57.2100

■ 31.0870, 34.3175,
57.2100

298.7587,
321.5455, 431.7515

■ 20.8173, 23.1376,
40.7634

■ 60.7519, 66.4271,
102.2749

■ 13.1022, 14.6952,
27.8159

■ 80.8778, 88.1256,
131.7303

■ 7.5764, 8.6057,
17.9491

■ 105.0198,
114.0991, 166.3590

■ 3.8746, 4.4849,
10.7444

133.5433,
144.7320, 206.5796

■ 1.6315, 1.9483,
5.7832

166.8135,
180.4087, 252.8106

■ 0.4128, 0.5772,
2.6471

205.1959,

■ 0.0000, 0.0000,

221.5136, 305.4706

0.9166

249.0559,
268.4310, 364.9780

■ 0.0000, 0.0000,
0.0000

■ 31.0870, 34.3175,
57.2100

■ 31.0870, 34.3175,
57.2100

■ 27.0882, 30.0320,
56.5942

■ 35.7550, 39.1087,
57.8894

■ 23.7192, 26.2265,
56.0372

■ 41.1219, 44.4219,
58.6320

■ 20.9415, 22.8785,
55.5374

■ 47.2196, 50.2771,
59.4408

■ 18.7103, 19.9616,
55.0920

■ 54.0771, 56.6923,
60.3177

■ 16.9735, 17.4454,
54.6978

■ 61.7214, 63.6842,
61.2643

■ 15.6557, 15.2874,
54.3507

■ 70.1784, 71.2691,
62.2826

■ 15.3898, 14.8374,
54.2779

■ 77.9093, 78.6563,
63.3010

■ 80.3216, 83.4810,
64.1052

■ 82.8565, 88.5508,
64.9501

Harmonies

Analogous

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



28.4740, 34.3175, 51.4151



31.0870, 34.3175, 57.2100



34.2842, 34.3175, 57.1249

Triad

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



31.0870, 34.3175, 57.2100



38.9360, 34.3175, 32.8662



28.4182, 34.3175, 26.2801

Complementary

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



31.0870, 34.3175, 57.2100



37.9997, 36.5840, 23.4719

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.



31.0062, 34.3175, 22.7863



31.0870, 34.3175, 57.2100



37.1452, 34.3175, 26.1419

Square

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



31.0870, 34.3175, 57.2100



38.9612, 34.3175, 41.9997



34.1980, 34.3175, 22.7402



27.0032, 34.3175, 33.0862

Rectangle

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



31.0870, 34.3175, 57.2100



36.3247, 34.3175, 53.7017



34.1980, 34.3175, 22.7402



29.1720, 34.3175, 24.7325

Sweetspot

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



31.0881, 34.3188, 57.2108



81.6115, 87.3401, 107.1647



33.6050, 45.9535, 37.7006



17.1391, 18.3791, 22.8941



0.0000, 0.0000, 0.0000



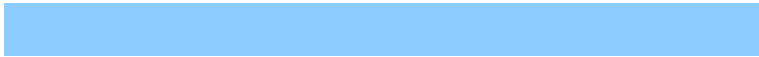
20.3446, 21.4041, 23.3091

Same Dimension

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



31.0881, 34.3188, 57.2108



50.4598, 55.9220, 102.7423



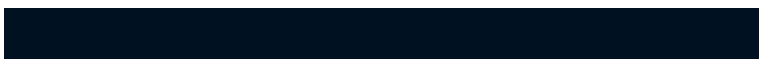
25.5715, 23.2856, 55.3719



9.9806, 10.6526, 12.8149



9.9755, 9.7076, 34.9046



0.4989, 0.5553, 1.5308

Inverse Universe

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



36.3362, 28.3001, 38.1991



61.5333, 44.4408, 62.3545



44.9238, 50.4323, 25.7799



10.3015, 10.1692, 11.6783



16.4312, 8.2622, 10.1825



0.7442, 0.3707, 0.6205

Previews

White Background



This preview shows how the XYZ color 31.0870, 34.3175, 57.2100 looks on a white background.

Color Contrast Check

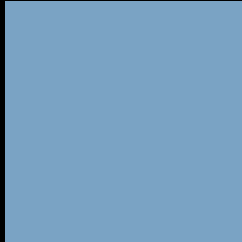
Large Text (above 18pt) WCAG AA × Fail

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 31.0870, 34.3175, 57.2100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

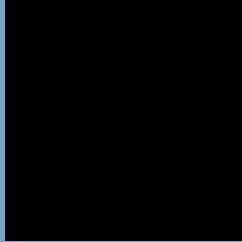
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0870, 34.3175, 57.2100

Background



This preview shows how black text looks on a background with the XYZ color 31.0870, 34.3175, 57.2100.

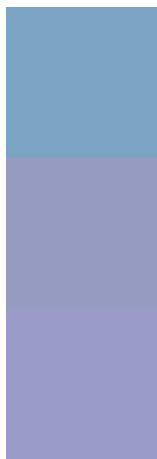


This preview shows how white text looks on a background with the XYZ color 31.0870, 34.3175,

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

31.0870, 34.3175, 57.2100

Protanopia

33.8701, 34.0226, 54.0721

Deuteranopia

35.0513, 34.2922, 58.1977



Tritanopia

29.2441, 34.3787, 47.7422

Trichromacy



Original Color

31.0870, 34.3175, 57.2100

Protanomaly

32.8390, 34.2220, 55.3268

Deuteranomaly

33.4602, 34.2357, 57.6679

Tritanomaly

29.8198, 34.3350, 50.9546

Monochromacy



Original Color

31.0870, 34.3175, 57.2100

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.8103, 33.1956, 42.8137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0870, 34.3175, 57.2100 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(122, 163, 196)` looks like.

```
.text, #text, p{  
    color:rgb(122, 163, 196)  
}
```

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(122, 163, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 163, 196) }
```

Border

The CSS property to change the border of an element to XYZ 31.0870, 34.3175, 57.2100 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(122, 163, 196) }
```


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

```
.border{ border-color:rgb(122, 163, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 163, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 163, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 163, 196);  
box-shadow:4px 4px 4px 4px rgb(122, 163,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0870, 34.3175, 57.2100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 163, 196) }
```

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

```
.background{ background-color: rgb(122,  
163, 196) }
```

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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