

Converting Colors

XYZ(31.0962, 35.5332, 67.2758)

Have a look what the booklet for
XYZ(31.0962, 35.5332, 67.2758)
contains.

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Color

**XYZ(31.0319, 35.4114,
67.4869)**

Conversions

Conversions Part 1

Format	Color
Hex	63A8D4
RGB	99, 168, 212
RGB Percent	39%, 66%, 83%
CMY	0.6117, 0.3412, 0.1686
CMYK	0.53, 0.21, 0.00, 0.17
HSL	203°, 57%, 61%
HSV	203°, 53%, 83%
XYZ	31.0319, 35.4114, 67.4869
YIQ	152.3850, -55.2480, -0.9440

Conversions

Conversions Part 2

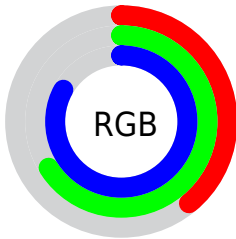
Format	Color
R_{YB}	99, 142, 212
Decimal	6531284
CIE _{Lab}	66.07, -9.45, -29.03
CIE _{LCh}	66, 30.526, 251.970
Yxy	35.4114, 0.2317, 0.2644
Android (android.graphics.Color)	4284721364 (0xFF63A8D4)
YUV	152.3850, 29.3902, -46.8186
Hunter-Lab	59.5075, -11.0541, -25.5850

Details

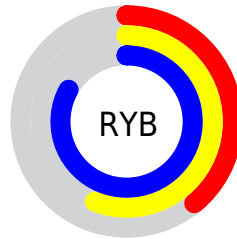
The XYZ color **31.0319, 35.4114, 67.4869** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.2271, 34.5442, 16.4059**, and the grayscale version is **29.9065, 31.4639, 34.2642**.

A 20% lighter version of the original color is **58.1480, 67.0633, 104.4875**, and **13.0587, 15.3002, 34.1632** is the 20% darker color. If you saturate the color by 10%, you get **27.5369, 31.4192, 66.9012**, and if you desaturate by 10%, it is **35.2339, 39.9131, 68.1350**.

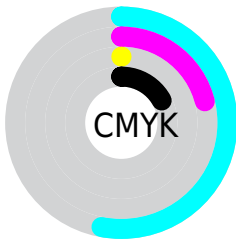
Distribution



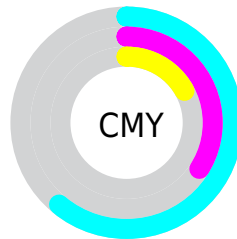
- Red (39%)
- Green (66%)
- Blue (83%)



- Red (39%)
- Yellow (56%)
- Blue (83%)



- Cyan (53%)
- Magenta (21%)
- Yellow (0%)
- Black (17%)



- Cyan (61%)
- Magenta (34%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0319, 35.4114, 67.4869 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 31.0319, 35.4114, 67.4869 by changing the saturation by 10% instead.

■ 31.0319, 35.4114,
67.4869

■ 31.0319, 35.4114,
67.4869

298.5095,
326.3805, 470.2245

■ 20.7751, 23.9800,
49.0163

■ 60.6658, 68.1226,
117.2651

■ 13.0712, 15.3188,
34.2667

■ 80.7736, 90.1712,
149.4098

■ 7.5549, 9.0434,
22.8196

■ 104.8957,
116.5275, 186.9496

■ 3.8609, 4.7695,
14.2563

■ 133.3976,
147.5761, 230.3031

■ 1.6237, 2.1127,
8.1584

166.6446,
183.7013, 279.8888

■ 0.4078, 0.6717,
4.1072

205.0020,

■ 0.0000, 0.0000,

225.2875, 336.1252

1.6843

248.8352,
272.7191, 399.4310

■ 0.0000, 0.0000,
0.3500

■ 0.0000, 0.0000,
0.0000

■ 31.0319, 35.4114,
67.4869

■ 31.0319, 35.4114,
67.4869

■ 27.5369, 31.4192,
66.9012

■ 35.2339, 39.9131,
68.1350

■ 24.6948, 27.9040,
66.3725

■ 40.1845, 44.9461,
68.8456

■ 22.4490, 24.8344,
65.8984

■ 45.9260, 50.5357,
69.6218

■ 20.7297, 22.1717,
65.4750

■ 52.4963, 56.7036,
70.4661

■ 19.7937, 20.5733,
65.2158

■ 59.9308, 63.4706,
71.3804

■ 68.2627, 70.8561,
72.3668

■ 77.5234, 78.8786,
73.4272

■ 82.5586, 84.8831,
74.3208

■ 84.9644, 89.6947,
75.1227

Harmonies

Analogous

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



27.5858, 35.4114, 57.7685



31.0319, 35.4114, 67.4869



35.4971, 35.4114, 68.4835

Triad

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



31.0319, 35.4114, 67.4869



42.9213, 35.4114, 33.6096



28.1603, 35.4114, 22.8202

Complementary

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



31.0319, 35.4114, 67.4869



39.2271, 34.5442, 16.4059

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.



31.8825, 35.4114, 18.9346



31.0319, 35.4114, 67.4869



40.5604, 35.4114, 24.1607

Square

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



31.0319, 35.4114, 67.4869



42.6415, 35.4114, 46.8082



36.4271, 35.4114, 19.3629



26.0332, 35.4114, 31.3374

Rectangle

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



31.0319, 35.4114, 67.4869



38.4850, 35.4114, 63.8374



36.4271, 35.4114, 19.3629



29.2515, 35.4114, 21.0254

Sweetspot

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



31.0331, 35.4127, 67.4878



76.7396, 83.3456, 106.6504



33.5965, 51.7031, 33.9265



15.9749, 17.4179, 22.7700



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.



31.0331, 35.4127, 67.4878



41.1734, 46.9445, 101.4989



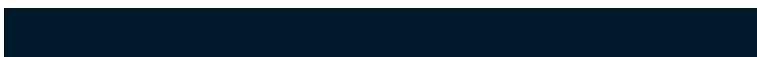
22.8449, 19.0364, 64.7584



12.3674, 13.2582, 15.8448



12.3194, 12.9006, 40.2939



0.8224, 0.9368, 2.4568

Inverse Universe

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



38.6822, 25.7492, 39.9784



54.5038, 32.6612, 52.9836



49.7857, 55.6614, 19.9255



12.7386, 12.5470, 14.5639



19.2771, 9.6472, 14.0293



1.2028, 0.5979, 1.0571

Previews

White Background



This preview shows how the XYZ color 31.0319, 35.4114, 67.4869 looks on a white background.

Color Contrast Check

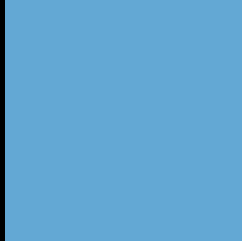
Large Text (above 18pt) WCAG AA × Fail

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 31.0319, 35.4114, 67.4869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

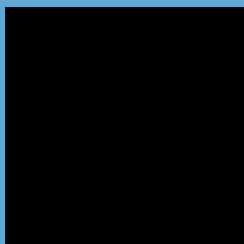
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

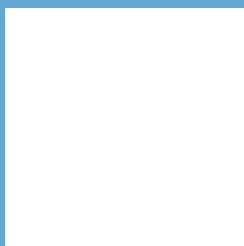
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0319, 35.4114, 67.4869

Background



This preview shows how black text looks on a background with the XYZ color 31.0319, 35.4114, 67.4869.



This preview shows how white text looks on a background with the XYZ color 31.0319, 35.4114,

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

31.0319, 35.4114, 67.4869

Protanopia

35.4590, 35.1574, 62.6748

Deuteranopia

35.8716, 34.9887, 68.4812



Tritanopia

28.0229, 35.6060, 51.8500

Trichromacy



Original Color

31.0319, 35.4114, 67.4869

Protanomaly

33.5114, 35.1406, 64.6911

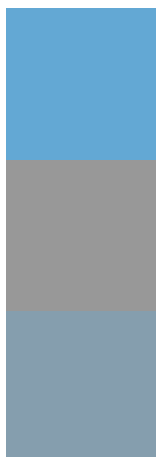
Deuteranomaly

33.6572, 34.8830, 67.9100

Tritanomaly

28.9274, 35.3931, 56.9367

Monochromacy



Original Color

31.0319, 35.4114, 67.4869

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.5397, 32.4963, 44.7599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0319, 35.4114, 67.4869 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(99, 168, 212)` looks like.

```
.text, #text, p{  
    color:rgb(99, 168, 212)  
}
```

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(99, 168, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 168, 212) }
```

Border

The CSS property to change the border of an element to XYZ 31.0319, 35.4114, 67.4869 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(99, 168, 212) }
```


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

```
.border{ border-color:rgb(99, 168, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 168, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 168, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 168, 212);  
box-shadow:4px 4px 4px 4px rgb(99, 168,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0319, 35.4114, 67.4869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 168, 212) }
```

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

```
.background{ background-color: rgb(99, 168,  
212) }
```

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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