

Converting Colors

XYZ(33.9702, 34.8006, 67.2141)

Have a look what the booklet for
XYZ(33.9702, 34.8006, 67.2141)
contains.

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Color

**XYZ(33.9702, 34.8006,
67.2141)**

Conversions

Conversions Part 1

Format	Color
Hex	84A0D4
RGB	132, 160, 212
RGB Percent	52%, 63%, 83%
CMY	0.4823, 0.3725, 0.1686
CMYK	0.38, 0.25, 0.00, 0.17
HSL	219°, 48%, 67%
HSV	219°, 38%, 83%
XYZ	33.9702, 34.8006, 67.2141
YIQ	157.5560, -33.3800, 10.2360

Conversions

Conversions Part 2

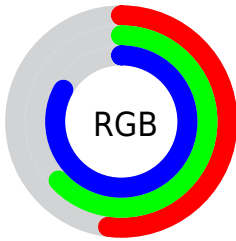
Format	Color
R_{YB}	132, 153, 212
Decimal	8691924
CIE _{Lab}	65.59, 3.14, -29.62
CIE _{LCh}	66, 29.781, 276.048
Yxy	34.8006, 0.2498, 0.2559
Android (android.graphics.Color)	4286882004 (0xFF84A0D4)
YUV	157.5560, 26.8409, -22.4126
Hunter-Lab	58.9920, -0.4479, -26.2592

Details

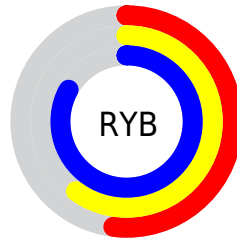
The XYZ color **33.9702, 34.8006, 67.2141** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **48.4576, 49.9449, 28.9175**, and the grayscale version is **32.1928, 33.8693, 36.8837**.

A 20% lighter version of the original color is **62.8440, 66.3857, 104.1092**, and **14.7789, 15.0339, 34.0212** is the 20% darker color. If you saturate the color by 10%, you get **28.7279, 28.7468, 66.3225**, and if you desaturate by 10%, it is **40.1533, 41.7339, 68.2271**.

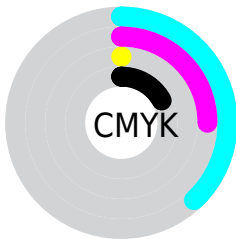
Distribution



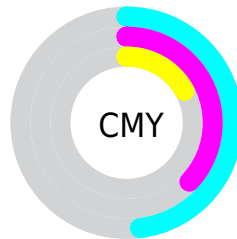
- Red (52%)
- Green (63%)
- Blue (83%)



- Red (52%)
- Yellow (60%)
- Blue (83%)



- Cyan (38%)
- Magenta (25%)
- Yellow (0%)
- Black (17%)



- Cyan (48%)
- Magenta (37%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9702, 34.8006, 67.2141 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 33.9702, 34.8006, 67.2141 by changing the saturation by 10% instead.

■ 33.9702, 34.8006,
67.2141

■ 33.9702, 34.8006,
67.2141

311.5874,
323.6873, 469.2287

■ 23.0335, 23.5093,
48.7960

■ 65.2319, 67.1768,
116.8707

■ 14.7391, 14.9700,
34.0932

■ 86.2876, 89.0304,
148.9462

■ 8.7216, 8.7984,
22.6873

■ 111.4471,
115.1736, 186.4113

■ 4.6157, 4.6099,
14.1596

141.0756,
145.9908, 229.6845

■ 2.0560, 2.0202,
8.0918

175.5385,
181.8664, 279.1842

■ 0.6651, 0.6192,
4.0651

215.2012,

■ 0.0000, 0.0000,

223.1848, 335.3292

1.6611

260.4291,
270.3303, 398.5378

■ 0.0000, 0.0000,
0.3339

■ 0.0000, 0.0000,
0.0000

■ 33.9702, 34.8006,
67.2141

■ 33.9702, 34.8006,
67.2141

■ 28.7279, 28.7468,
66.3225

■ 40.1533, 41.7339,
68.2271

■ 24.3732, 23.5302,
65.5451

■ 47.3194, 49.5786,
69.3636

■ 20.8527, 19.1105,
64.8776

■ 55.5125, 58.3696,
70.6286

■ 18.1051, 15.4420,
64.3143

■ 64.7726, 68.1387,
72.0262

■ 16.0597, 12.4729,
63.8490

■ 75.1375, 78.9163,
73.5602

■ 14.6204, 10.1375,
63.4741

■ 85.0796, 89.9251,
75.1611

■ 14.3460, 9.6779,
63.3999

■ 88.8838, 97.5335,
76.4291

Harmonies

Analogous

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



29.7816, 34.8006, 64.4136



33.9702, 34.8006, 67.2141



38.2721, 34.8006, 60.8691

Triad

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



33.9702, 34.8006, 67.2141



40.3465, 34.8006, 25.4216



25.9767, 34.8006, 28.9380

Complementary

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



33.9702, 34.8006, 67.2141



48.4576, 49.9449, 28.9175

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.



28.3745, 34.8006, 21.5753



33.9702, 34.8006, 67.2141



36.6068, 34.8006, 19.8799

Square

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



33.9702, 34.8006, 67.2141



42.1562, 34.8006, 35.4125



32.1995, 34.8006, 18.6455



25.4049, 34.8006, 40.4845

Rectangle

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



33.9702, 34.8006, 67.2141



40.5481, 34.8006, 52.9836



32.1995, 34.8006, 18.6455



26.5849, 34.8006, 25.9783

Sweetspot

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



33.9714, 34.8019, 67.2149



79.9297, 83.9766, 106.6041



41.5728, 55.3984, 53.1209



16.7390, 17.5789, 22.7608



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.



33.9714, 34.8019, 67.2149



45.3121, 45.6266, 101.0263



31.4062, 27.0673, 65.8572



12.0946, 12.7126, 15.7538



8.9417, 6.1451, 39.1680



0.6158, 0.5235, 2.3879

Inverse Universe

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



41.7488, 33.0389, 37.4357



58.9350, 43.4014, 48.6719



51.8863, 61.2174, 30.9126



12.6009, 12.4919, 13.8388



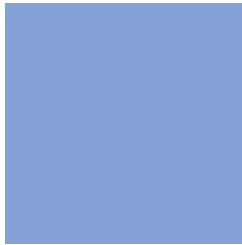
17.5722, 8.9652, 5.0513



1.0985, 0.5562, 0.5079

Previews

White Background



This preview shows how the XYZ color 33.9702, 34.8006, 67.2141 looks on a white background.

Color Contrast Check

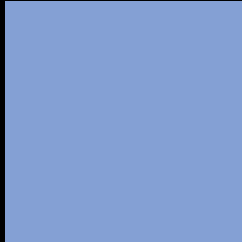
Large Text (above 18pt) WCAG AA × Fail

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 33.9702, 34.8006, 67.2141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

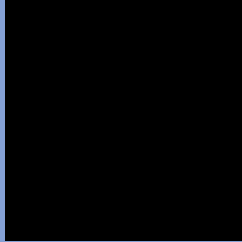
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

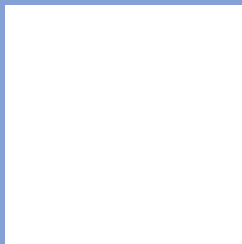
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9702, 34.8006, 67.2141

Background



This preview shows how black text looks on a background with the XYZ color 33.9702, 34.8006, 67.2141.



This preview shows how white text looks on a background with the XYZ color 33.9702, 34.8006,

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

33.9702, 34.8006, 67.2141

Protanopia

35.1914, 34.6964, 65.8150

Deuteranopia

35.5688, 34.8473, 67.8023



Tritanopia

30.0851, 34.8122, 47.7816

Trichromacy



Original Color

33.9702, 34.8006, 67.2141

Protanomaly

34.7999, 34.7323, 66.4979

Deuteranomaly

35.0523, 34.8333, 67.8268

Tritanomaly

31.4318, 34.8245, 54.3554

Monochromacy



Original Color

33.9702, 34.8006, 67.2141

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.8284, 34.4002, 47.0291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9702, 34.8006, 67.2141 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(132, 160, 212)` looks like.

```
.text, #text, p{  
    color:rgb(132, 160, 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(132, 160, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 160, 212) }
```

Border

The CSS property to change the border of an element to XYZ 33.9702, 34.8006, 67.2141 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(132, 160, 212) }
```


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

```
.border{ border-color:rgb(132, 160, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 160, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 160, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 160, 212);  
box-shadow:4px 4px 4px 4px rgb(132, 160,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9702, 34.8006, 67.2141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 160, 212) }
```

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

```
.background{ background-color: rgb(132,  
160, 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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