

Converting Colors

XYZ(32.2764, 34.5011, 67.3918)

Have a look what the booklet for
XYZ(32.2764, 34.5011, 67.3918)
contains.

XYZ(32.2752, 34.4457, 67.2350)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.2752, 34.4457,
67.2350)**

Conversions

Conversions Part 1

Format	Color
Hex	76A2D4
RGB	118, 162, 212
RGB Percent	46%, 64%, 83%
CMY	0.5372, 0.3647, 0.1686
CMYK	0.44, 0.24, 0.00, 0.17
HSL	212°, 52%, 65%
HSV	212°, 44%, 83%
XYZ	32.2752, 34.4457, 67.2350
YIQ	154.5440, -42.2740, 6.2220

Conversions

Conversions Part 2

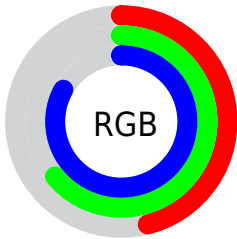
Format	Color
RYB	118, 148, 212
Decimal	7774932
CIELab	65.31, -1.67, -30.11
CIELCh	65, 30.159, 266.835
Yxy	34.4457, 0.2409, 0.2571
Android (android.graphics.Color)	4285965012 (0xFF76A2D4)
YUV	154.5440, 28.3258, -32.0491
Hunter-Lab	58.6905, -4.5471, -26.8385

Details

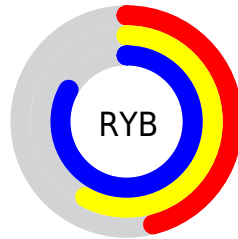
The XYZ color **32.2752, 34.4457, 67.2350** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.4249, 43.3114, 23.1592**, and the grayscale version is **30.8478, 32.4543, 35.3428**.

A 20% lighter version of the original color is **60.3184, 65.8444, 104.1379**, and **13.8201, 14.8600, 34.0381** is the 20% darker color. If you saturate the color by 10%, you get **27.8153, 29.3293, 66.4831**, and if you desaturate by 10%, it is **37.5626, 40.2545, 68.0782**.

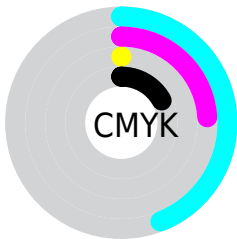
Distribution



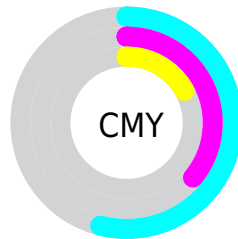
- Red (46%)
- Green (64%)
- Blue (83%)



- Red (46%)
- Yellow (58%)
- Blue (83%)



- Cyan (44%)
- Magenta (24%)
- Yellow (0%)
- Black (17%)



- Cyan (54%)
- Magenta (36%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2752, 34.4457, 67.2350 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 32.2752, 34.4457, 67.2350 by changing the saturation by 10% instead.

■ 32.2752, 34.4457,
67.2350

■ 32.2752, 34.4457,
67.2350

304.0940,
322.1149, 469.3050

■ 21.7284, 23.2362,
48.8128

■ 62.6046, 66.6262,
116.9009

■ 13.7729, 14.7680,
34.1065

■ 83.1178, 88.3659,
148.9818

■ 8.0435, 8.6567,
22.6974

■ 107.6838,
114.3846, 186.4526

■ 4.1749, 4.5180,
14.1670

136.6681,
145.0665, 229.7319

■ 1.8015, 1.9673,
8.0968

170.4358,
180.7961, 279.2382

■ 0.5186, 0.5884,
4.0683

209.3525,

■ 0.0000, 0.0000,

221.9578, 335.3902

1.6629

253.7835,
268.9359, 398.6063

■ 0.0000, 0.0000,
0.3351

■ 0.0000, 0.0000,
0.0000

■ 32.2752, 34.4457,
67.2350

■ 32.2752, 34.4457,
67.2350

■ 27.8153, 29.3293,
66.4831

■ 37.5626, 40.2545,
68.0782

■ 24.1308, 24.8695,
65.8165

■ 43.7181, 46.7813,
69.0135

■ 21.1686, 21.0325,
65.2320

■ 50.7840, 54.0548,
70.0451

■ 18.8668, 17.7787,
64.7253

■ 58.7984, 62.1011,
71.1757

■ 17.1504, 15.0616,
64.2913

■ 67.7972, 70.9447,
72.4084

■ 16.3679, 13.7218,
64.0739

■ 77.8143, 80.6087,
73.7458

■ 84.5610, 88.8880,
74.9883

■ 88.0019, 95.7698,
76.1353

■ 88.8838, 97.5335,
76.4292

Harmonies

Analogous

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



28.3305, 34.4457, 61.6341



32.2752, 34.4457, 67.2350



36.7048, 34.4457, 63.5139

Triad

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



32.2752, 34.4457, 67.2350



40.8747, 34.4457, 27.6060



26.1623, 34.4457, 25.7617

Complementary

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



32.2752, 34.4457, 67.2350



44.4249, 43.3114, 23.1592

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.



29.0708, 34.4457, 19.7884



32.2752, 34.4457, 67.2350



37.5840, 34.4457, 20.6739

Square

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



32.2752, 34.4457, 67.2350



41.9238, 34.4457, 38.8578



33.2084, 34.4457, 18.1576



25.0054, 34.4457, 36.1850

Rectangle

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



32.2752, 34.4457, 67.2350



39.2989, 34.4457, 56.6197



33.2084, 34.4457, 18.1576



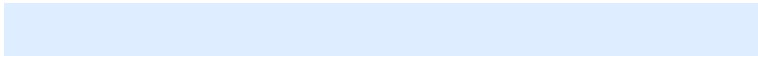
26.9541, 34.4457, 23.2647

Sweetspot

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



32.2764, 34.4470, 67.2358



78.5189, 83.5071, 106.5878



37.9508, 53.7134, 44.7182



16.2593, 17.3183, 22.7358



0.0000, 0.0000, 0.0000



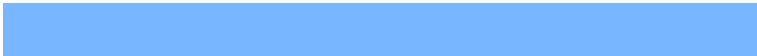
20.3446, 21.4041, 23.3091

Same Dimension

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



32.2764, 34.4470, 67.2358



42.7315, 45.1156, 101.0637



26.0490, 21.6737, 65.0986



12.2170, 12.9575, 15.7947



10.2031, 8.6679, 39.5885



0.6978, 0.6877, 2.4153

Inverse Universe

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



40.1524, 29.5637, 37.7738



56.4974, 38.0805, 49.2334



53.5162, 62.1611, 26.3184



12.6628, 12.5166, 14.1643



18.2089, 9.2199, 8.4040



1.1399, 0.5727, 0.7260

Previews

White Background



This preview shows how the XYZ color 32.2752, 34.4457, 67.2350 looks on a white background.

Color Contrast Check

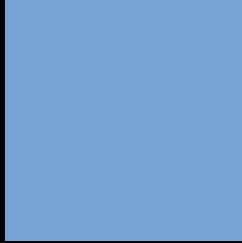
Large Text (above 18pt) WCAG AA × Fail

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 32.2752, 34.4457, 67.2350 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 32.2752, 34.4457, 67.2350

Background



This preview shows how black text looks on a background with the XYZ color 32.2752, 34.4457, 67.2350.



This preview shows how white text looks on a background with the XYZ color 32.2752, 34.4457,

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

32.2752, 34.4457, 67.2350

Protanopia

34.7752, 34.2603, 64.4546

Deuteranopia

35.0540, 34.3318, 67.7299



Tritanopia

28.6498, 34.5927, 48.8831

Trichromacy



Original Color

32.2752, 34.4457, 67.2350

Protanomaly

33.7272, 34.2081, 65.1468

Deuteranomaly

33.9100, 34.2444, 67.7734

Tritanomaly

29.8327, 34.5230, 54.9604

Monochromacy



Original Color

32.2752, 34.4457, 67.2350

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.2187, 33.3391, 45.8640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2752, 34.4457, 67.2350 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, 162, 212)` looks like.

```
.text, #text, p{  
    color:rgb(118, 162, 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(118, 162, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 162, 212) }
```

Border

The CSS property to change the border of an element to XYZ 32.2752, 34.4457, 67.2350 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, 162, 212) }
```


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

```
.border{ border-color:rgb(118, 162, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 162, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 162, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 162, 212);  
box-shadow:4px 4px 4px 4px rgb(118, 162,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2752, 34.4457, 67.2350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 162, 212) }
```

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

```
.background{ background-color: rgb(118,  
162, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor