

# Converting Colors

XYZ(31.7642, 33.6419, 56.4492)

Have a look what the booklet for  
XYZ(31.7642, 33.6419, 56.4492)  
contains.

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# Color

**XYZ(31.7642, 33.6419,  
56.4492)**

# Conversions

## Conversions Part 1

Format	Color
Hex	849FC3
RGB	132, 159, 195
RGB Percent	52%, 62%, 76%
CMY	0.4823, 0.3765, 0.2353
CMYK	0.32, 0.18, 0.00, 0.24
HSL	214°, 34%, 64%
HSV	214°, 32%, 76%
XYZ	31.7642, 33.6419, 56.4492
YIQ	155.0310, -27.6480, 5.4720

# Conversions

## Conversions Part 2

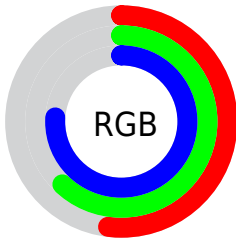
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	132, 151, 195
Decimal	8691651
CIE <sub>Lab</sub>	64.68, -0.77, -21.57
CIE <sub>LCh</sub>	65, 21.583, 267.960
Yxy	33.6419, 0.2607, 0.2761
Android (android.graphics.Color)	4286881731 (0xFF849FC3)
YUV	155.0310, 19.7047, -20.1982
Hunter-Lab	58.0016, -3.7486, -17.1019

# Details

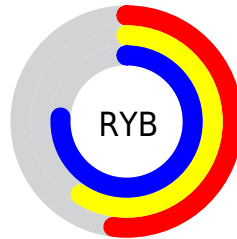
The XYZ color **31.7642, 33.6419, 56.4492** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.6739, 41.2740, 27.6538**, and the grayscale version is **31.0946, 32.7140, 35.6255**.

A 20% lighter version of the original color is **61.8670, 65.5605, 101.4892**, and **13.4785, 14.3537, 27.2594** is the 20% darker color. If you saturate the color by 10%, you get **27.1647, 28.5540, 55.7101**, and if you desaturate by 10%, it is **37.1086, 39.3718, 57.2741**.

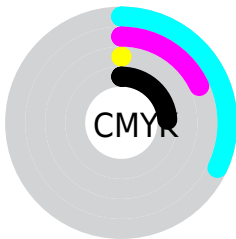
# Distribution



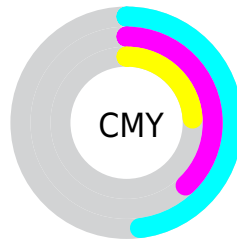
- Red (52%)
- Green (62%)
- Blue (76%)



- Red (52%)
- Yellow (59%)
- Blue (76%)



- Cyan (32%)
- Magenta (18%)
- Yellow (0%)
- Black (24%)



- Cyan (48%)
- Magenta (38%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7642, 33.6419, 56.4492 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 31.7642, 33.6419, 56.4492 by changing the saturation by 10% instead.



■ 31.7642, 33.6419,  
56.4492

■ 31.7642, 33.6419,  
56.4492

301.8081,  
318.5323, 428.8179

■ 21.3361, 22.6186,  
40.1568

■ 61.8089, 65.3764,  
101.1534

■ 13.4838, 14.3122,  
27.3461

■ 82.1563, 86.8564,  
130.4022

■ 7.8418, 8.3381,  
17.5986

■ 106.5408,  
112.5908, 164.8070

■ 4.0448, 4.3120,  
10.4957

135.3279,  
142.9640, 204.7862

■ 1.7275, 1.8496,  
5.6190

168.8828,  
178.3604, 250.7583

■ 0.4734, 0.5178,  
2.5498

207.5709,

■ 0.0000, 0.0000,

219.1643, 303.1419

0.8664

251.7575,  
265.7601, 362.3557

■ 0.0000, 0.0000,  
0.0000

■ 31.7642, 33.6419,  
56.4492

■ 31.7642, 33.6419,  
56.4492

■ 27.1647, 28.5540,  
55.7101

■ 37.1086, 39.3718,  
57.2741

■ 23.2705, 24.0786,  
55.0515

■ 43.2283, 45.7636,  
58.1853

■ 20.0429, 20.1895,  
54.4710

■ 50.1560, 52.8411,  
59.1862

■ 17.4381, 16.8568,  
53.9650

■ 57.9215, 60.6257,  
60.2795

■ 15.4059, 14.0470,  
53.5298

■ 66.5528, 69.1378,  
61.4676

■ 13.8873, 11.7215,  
53.1609

■ 76.0768, 78.3967,  
62.7528

■ 12.9878, 10.2149,  
52.9175

■ 81.3752, 85.7696,  
63.8967

■ 84.7023, 92.4239,  
65.0057

■ 86.8504, 96.7202,  
65.7218

# Harmonies

## Analogous

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



28.9200, 33.6419, 53.0684



31.7642, 33.6419, 56.4492



34.8491, 33.6419, 53.8492

# Triad

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



31.7642, 33.6419, 56.4492



37.5279, 33.6419, 29.2033



27.1897, 33.6419, 28.3089

# Complementary

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



31.7642, 33.6419, 56.4492



40.6739, 41.2740, 27.6538

# 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.



29.2646, 33.6419, 23.5395



31.7642, 33.6419, 56.4492



35.2392, 33.6419, 23.9943

# Square

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



31.7642, 33.6419, 56.4492



38.3022, 33.6419, 37.2405



32.1880, 33.6419, 22.0960



26.3871, 33.6419, 36.0268



# Rectangle

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



31.7642, 33.6419, 56.4492



36.6042, 33.6419, 49.2757



32.1880, 33.6419, 22.0960



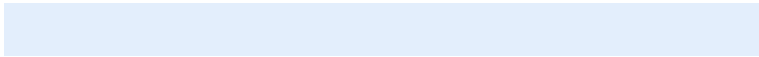
27.7546, 33.6419, 26.3576

# Sweetspot

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



31.7653, 33.6432, 56.4500



79.9670, 84.5845, 104.5815



36.0717, 46.7525, 44.0233



17.1390, 18.1392, 22.8478



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.



31.7653, 33.6432, 56.4500



50.7505, 53.4923, 100.1200



28.2885, 25.6948, 55.0990



9.8753, 10.4419, 12.7798



8.5212, 6.7989, 34.4198



0.4365, 0.4303, 1.5099



# Inverse Universe

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



37.0159, 30.6089, 36.7594



61.8483, 47.8832, 58.3211



45.1163, 51.7473, 29.4412



10.2484, 10.1480, 11.3984



15.6971, 7.9686, 6.3169

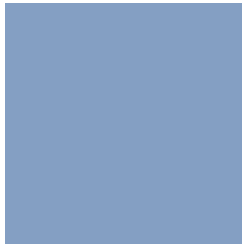


0.7127, 0.3581, 0.4544



# Previews

## White Background



This preview shows how the XYZ color 31.7642, 33.6419, 56.4492 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

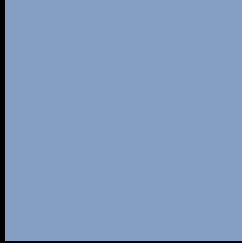
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.7642, 33.6419, 56.4492 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

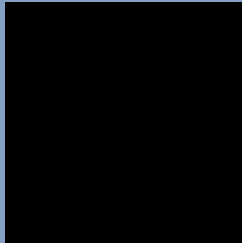
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

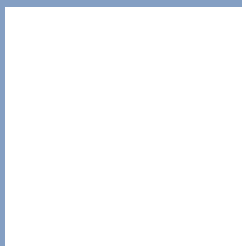
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 31.7642, 33.6419, 56.4492**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.7642, 33.6419, 56.4492.



This preview shows how white text looks on a background with the XYZ color 31.7642, 33.6419,



# 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

31.7642, 33.6419, 56.4492

### Protanopia

33.4485, 33.5444, 54.5810

### Deuteranopia

34.1175, 33.3473, 56.8630



## Tritanopia

29.5603, 33.5250, 45.4704

# Trichromacy



## Original Color

31.7642, 33.6419, 56.4492

## Protanomaly

32.6694, 33.3780, 55.1728

## Deuteranomaly

33.1868, 33.3575, 56.9141

## Tritanomaly

30.2416, 33.5343, 49.1348

# Monochromacy



## Original Color

31.7642, 33.6419, 56.4492

## Achromatopsia

31.1553, 32.7778, 35.6950

## Achromatomaly

31.1768, 32.8823, 42.7339

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.7642, 33.6419, 56.4492 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, 159, 195)` looks like.

```
.text, #text, p{  
    color:rgb(132, 159, 195)  
}
```

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, 159, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 159, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 31.7642, 33.6419, 56.4492 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, 159, 195) }
```



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

```
.border{ border-color:rgb(132, 159, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 159, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 159, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 159, 195);  
box-shadow:4px 4px 4px 4px rgb(132, 159,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.7642, 33.6419, 56.4492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 159, 195) }
```

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

```
.background{ background-color: rgb(132,  
159, 195) }
```

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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