

# Converting Colors

XYZ(31.9489, 31.2441, 92.5731)

Have a look what the booklet for  
XYZ(31.9489, 31.2441, 92.5731)  
contains.

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# Color

**XYZ(31.8545, 31.1503,  
92.3294)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5698F7
RGB	86, 152, 247
RGB Percent	34%, 60%, 97%
CMY	0.6627, 0.4039, 0.0314
CMYK	0.65, 0.38, 0.00, 0.03
HSL	215°, 91%, 65%
HSV	215°, 65%, 97%
XYZ	31.8545, 31.1503, 92.3294
YIQ	143.0960, -69.8310, 15.5530

# Conversions

## Conversions Part 2

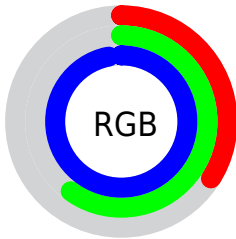
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	86, 133, 247
Decimal	5675255
CIELab	62.63, 8.37, -53.73
CIELCh	63, 54.374, 278.851
Yxy	31.1503, 0.2051, 0.2005
Android (android.graphics.Color)	4283865335 (0xFF5698F7)
YUV	143.0960, 51.2247, -50.0732
Hunter-Lab	55.8125, 4.2056, -59.0135

# Details

The XYZ color **31.8545, 31.1503, 92.3294** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **56.5638, 53.4977, 16.1509**, and the grayscale version is **25.9702, 27.3226, 29.7544**.

A 20% lighter version of the original color is **52.5157, 57.7522, 102.9872**, and **14.0456, 13.2204, 50.5267** is the 20% darker color. If you saturate the color by 10%, you get **27.7386, 25.7302, 91.5008**, and if you desaturate by 10%, it is **37.0490, 37.5588, 93.2932**.

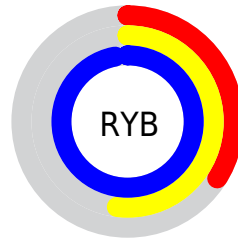
# Distribution



Red (34%)

Green (60%)

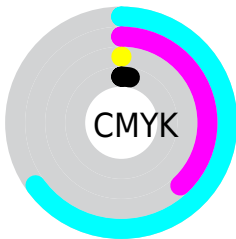
Blue (97%)



Red (34%)

Yellow (52%)

Blue (97%)

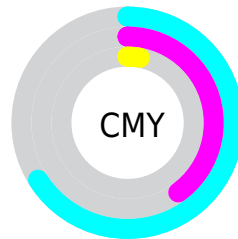


Cyan (65%)

Magenta (38%)

Yellow (0%)

Black (3%)



Cyan (66%)

Magenta (40%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8545, 31.1503, 92.3294 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 31.8545, 31.1503, 92.3294 by changing the saturation by 10% instead.



■ 31.8545, 31.1503,  
92.3294

■ 31.8545, 31.1503,  
92.3294

302.2130,  
307.2302, 556.3440

■ 21.4054, 20.7133,  
69.3297

■ 61.9497, 61.4766,  
152.5335

■ 13.5348, 12.9146,  
50.5068

■ 82.3264, 82.1348,  
190.5750

■ 7.8774, 7.3698,  
35.4423

■ 106.7431,  
106.9688, 234.4675

■ 4.0677, 3.6944,  
23.7175

■ 135.5651,  
136.3630, 284.6295

■ 1.7405, 1.5041,  
14.9139

169.1577,  
170.7018, 341.4796

■ 0.4814, 0.2916,  
8.6131

207.8863,

■ 0.0000, 0.0000,

210.3697, 405.4364

4.3963

252.1163,  
255.7510, 476.9183

■ 0.0000, 0.0000,  
1.8452

■ 0.0000, 0.0000,  
0.4575

■ 31.8545, 31.1503,  
92.3294

■ 31.8545, 31.1503,  
92.3294

■ 27.7386, 25.7302,  
91.5008

■ 37.0490, 37.5588,  
93.2932

■ 24.6021, 21.2306,  
90.7976

■ 43.4012, 45.0100,  
94.3967

■ 22.3307, 17.5764,  
90.2120

■ 50.9863, 53.5573,  
95.6467

■ 21.4665, 16.0711,  
89.9670

■ 59.8717, 63.2488,  
97.0490

■ 70.1198, 74.1297,  
98.6091

■ 81.7886, 86.2421,  
100.3320

■ 93.4794, 98.8771,  
102.1547

■ 93.7886, 99.4955,  
102.2577

# Harmonies

## Analogous

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



24.7583, 31.1503, 87.9882



31.8545, 31.1503, 92.3294



39.4756, 31.1503, 76.6575

# Triad

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



31.8545, 31.1503, 92.3294



42.1484, 31.1503, 14.2185



18.2072, 31.1503, 21.2218

# Complementary

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



31.8545, 31.1503, 92.3294



56.5638, 53.4977, 16.1509

# 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.



21.5383, 31.1503, 11.0295



31.8545, 31.1503, 92.3294



35.0517, 31.1503, 8.3187

# Square

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



31.8545, 31.1503, 92.3294



46.0365, 31.1503, 28.0177



27.4686, 31.1503, 7.4633

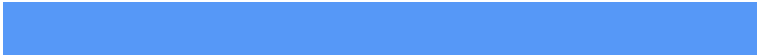


17.6419, 31.1503, 40.5920



# Rectangle

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



31.8545, 31.1503, 92.3294



43.5531, 31.1503, 59.7078



27.4686, 31.1503, 7.4633



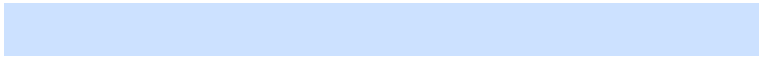
19.0103, 31.1503, 16.8850

# Sweetspot

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



31.8557, 31.1513, 92.3302



69.8515, 73.8567, 105.1819



45.3298, 71.7930, 54.6062



14.2986, 15.1134, 22.4135



0.0000, 0.0000, 0.0000

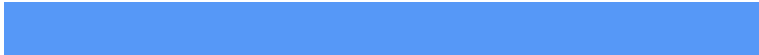


20.3446, 21.4041, 23.3091



# Same Dimension

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



31.8557, 31.1513, 92.3302



28.7221, 26.1350, 98.1385



25.3094, 16.0492, 89.7602



16.1390, 17.0423, 20.9814



11.4844, 8.7625, 47.6241



1.1079, 0.9671, 4.2185



# Inverse Universe

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



47.3542, 28.6985, 32.7499



47.2198, 25.9224, 26.4198



68.7367, 84.6163, 21.5159



16.7807, 16.5951, 18.5919



21.6013, 10.9840, 7.8748



1.9483, 0.9853, 0.9539



# Previews

## White Background



This preview shows how the XYZ color 31.8545, 31.1503, 92.3294 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

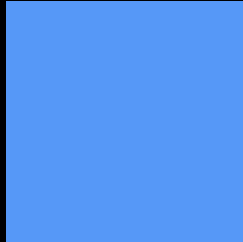
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.8545, 31.1503, 92.3294 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

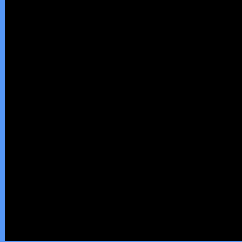
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

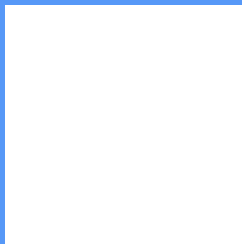
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 31.8545, 31.1503, 92.3294

## Background



This preview shows how black text looks on a background with the XYZ color 31.8545, 31.1503, 92.3294.



This preview shows how white text looks on a background with the XYZ color 31.8545, 31.1503,



# 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

31.8545, 31.1503, 92.3294

### Protanopia

33.4214, 30.8492, 88.9870

### Deuteranopia

32.0716, 31.0223, 92.2932



## Tritanopia

23.0012, 31.1486, 47.9800

# Trichromacy



## Original Color

31.8545, 31.1503, 92.3294

## Protanomaly

32.6701, 30.9101, 89.8323

## Deuteranomaly

31.9749, 30.9725, 92.2887

## Tritanomaly

25.5684, 30.8415, 61.7321

# Monochromacy



## Original Color

31.8545, 31.1503, 92.3294

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

26.6454, 28.0315, 47.7223

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.8545, 31.1503, 92.3294 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(86, 152, 247)` looks like.

```
.text, #text, p{  
    color:rgb(86, 152, 247)  
}
```

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(86, 152, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 152, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 31.8545, 31.1503, 92.3294 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(86, 152, 247) }
```



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

```
.border{ border-color:rgb(86, 152, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 152, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 152, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 152, 247);  
box-shadow:4px 4px 4px 4px rgb(86, 152,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.8545, 31.1503, 92.3294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 152, 247) }
```

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

```
.background{ background-color: rgb(86, 152,  
247) }
```

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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