

# Converting Colors

XYZ(31.6922, 29.6215, 93.6697)

Have a look what the booklet for  
XYZ(31.6922, 29.6215, 93.6697)  
contains.

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# Color

**XYZ(31.6922, 29.6215,  
93.6697)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5B92F9
RGB	91, 146, 249
RGB Percent	36%, 57%, 98%
CMY	0.6431, 0.4274, 0.0235
CMYK	0.63, 0.41, 0.00, 0.02
HSL	219°, 93%, 67%
HSV	219°, 63%, 98%
XYZ	31.6922, 29.6215, 93.6697
YIQ	141.2970, -65.8430, 20.3730

# Conversions

## Conversions Part 2

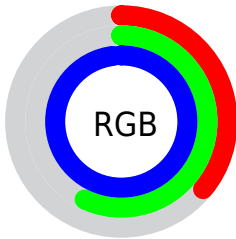
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	91, 132, 249
Decimal	6001401
CIE <sub>Lab</sub>	61.33, 13.41, -56.89
CIE <sub>LCh</sub>	61, 58.453, 283.266
Yxy	29.6215, 0.2045, 0.1911
Android (android.graphics.Color)	4284191481 (0xFF5B92F9)
YUV	141.2970, 53.0976, -44.1105
Hunter-Lab	54.4256, 8.6962, -63.9436

# Details

The XYZ color **31.6922, 29.6215, 93.6697** 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 **60.2496, 59.4828, 18.2054**, and the grayscale version is **25.2520, 26.5671, 28.9315**.

A 20% lighter version of the original color is **51.7998, 54.9369, 102.4815**, and **13.6973, 12.1715, 51.4966** is the 20% darker color. If you saturate the color by 10%, you get **27.3050, 23.9054, 92.7983**, and if you desaturate by 10%, it is **37.2511, 36.4698, 94.6992**.

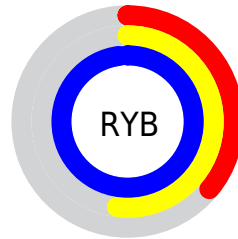
# Distribution



Red (36%)

Green (57%)

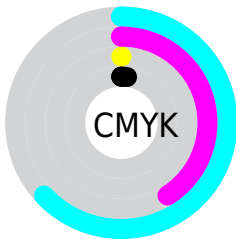
Blue (98%)



Red (36%)

Yellow (52%)

Blue (98%)

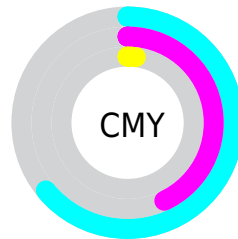


Cyan (63%)

Magenta (41%)

Yellow (0%)

Black (2%)



Cyan (64%)

Magenta (43%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6922, 29.6215, 93.6697 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 31.6922, 29.6215, 93.6697 by changing the saturation by 10% instead.



■ 31.6922, 29.6215,  
93.6697

■ 31.6922, 29.6215,  
93.6697

301.4850,  
300.1362, 560.7725

■ 21.2809, 19.5515,  
70.4375

■ 61.6967, 59.0631,  
154.4052

■ 13.4431, 12.0694,  
51.4043

■ 82.0206, 79.2034,  
192.7455

■ 7.8135, 6.7910,  
36.1515

■ 106.3795,  
103.4693, 236.9590

■ 4.0266, 3.3317,  
24.2606

■ 135.1386,  
132.2452, 287.4642

■ 1.7172, 1.3073,  
15.3131

168.6634,  
165.9154, 344.6796

■ 0.4670, 0.1468,  
8.8903

207.3191,

■ 0.0000, 0.0000,

204.8644, 409.0238

4.5739

251.4712,  
249.4765, 480.9152

■ 0.0000, 0.0000,  
1.9452

■ 0.0000, 0.0000,  
0.5212

■ 31.6922, 29.6215,  
93.6697

■ 31.6922, 29.6215,  
93.6697

■ 27.3050, 23.9054,  
92.7983

■ 37.2511, 36.4698,  
94.6992

■ 23.9869, 19.2454,  
92.0737

■ 44.0647, 44.5129,  
95.8926

■ 21.6207, 15.5579,  
91.4866

■ 52.2122, 53.8115,  
97.2580

■ 20.4805, 13.6027,  
91.1693

■ 61.7646, 64.4211,  
98.8024

■ 72.7880, 76.3935,  
100.5323

■ 85.3439, 89.7775,  
102.4539

■ 94.0990, 99.6196,  
103.8921

# Harmonies

## Analogous

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



24.1012, 29.6215, 92.3239



31.6922, 29.6215, 93.6697



39.5761, 29.6215, 74.0555

# Triad

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



31.6922, 29.6215, 93.6697



40.3767, 29.6215, 11.0389



16.2179, 29.6215, 21.5154

# Complementary

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



31.6922, 29.6215, 93.6697



60.2496, 59.4828, 18.2054

# 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.



19.1733, 29.6215, 10.1745



31.6922, 29.6215, 93.6697



32.6382, 29.6215, 6.2971

# Square

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



31.6922, 29.6215, 93.6697



45.1728, 29.6215, 23.4643



24.8901, 29.6215, 6.0761



16.0579, 29.6215, 43.0002



# Rectangle

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



31.6922, 29.6215, 93.6697



43.5640, 29.6215, 55.3474



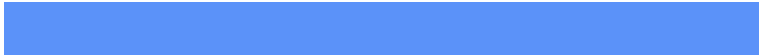
24.8901, 29.6215, 6.0761



16.8889, 29.6215, 16.6857

# Sweetspot

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



31.6934, 29.6225, 93.6705



70.1550, 73.4175, 105.0812



47.8956, 73.8582, 62.5964



14.3223, 14.9577, 22.3822



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.



31.6934, 29.6225, 93.6705



27.7918, 23.8285, 97.7423



27.8728, 17.9484, 91.6185



16.7771, 17.6310, 21.9042



11.0824, 7.5204, 48.8410



1.1215, 0.8866, 4.5552



# Inverse Universe

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



47.9975, 29.6990, 30.3975



46.8591, 26.1947, 23.2356



66.9103, 84.5635, 22.6955



17.4940, 17.3250, 19.1913



21.8859, 11.1701, 6.1076



2.0750, 1.0537, 0.8183



# Previews

## White Background



This preview shows how the XYZ color 31.6922, 29.6215, 93.6697 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

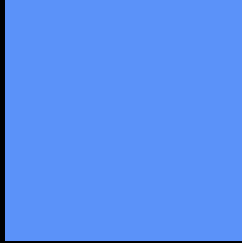
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.6922, 29.6215, 93.6697 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 × Fail

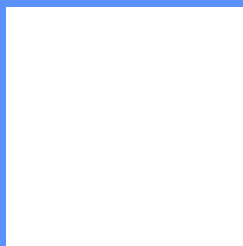
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 31.6922, 29.6215, 93.6697

## Background



This preview shows how black text looks on a background with the XYZ color 31.6922, 29.6215, 93.6697.



This preview shows how white text looks on a background with the XYZ color 31.6922, 29.6215,



# 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

31.6922, 29.6215, 93.6697

### Protanopia

32.4707, 29.6050, 91.9986

### Deuteranopia

30.5137, 29.4936, 92.8915



## Tritanopia

22.0234, 29.6396, 45.1177

# Trichromacy



## Original Color

31.6922, 29.6215, 93.6697

## Protanomaly

32.2143, 29.6808, 92.8380

## Deuteranomaly

30.7703, 29.3941, 92.8588

## Tritanomaly

24.7959, 29.1995, 60.2063

# Monochromacy



## Original Color

31.6922, 29.6215, 93.6697

## Achromatopsia

25.3171, 26.6356, 29.0061

## Achromatomaly

26.2291, 27.1512, 47.0383

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.6922, 29.6215, 93.6697 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(91, 146, 249)` looks like.

```
.text, #text, p{  
    color:rgb(91, 146, 249)  
}
```

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(91, 146, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 146, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 31.6922, 29.6215, 93.6697 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(91, 146, 249) }
```



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

```
.border{ border-color:rgb(91, 146, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 146, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 146, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 146, 249);  
box-shadow:4px 4px 4px 4px rgb(91, 146,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.6922, 29.6215, 93.6697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 146, 249) }
```

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

```
.background{ background-color: rgb(91, 146,  
249) }
```

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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