

Converting Colors

XYZ(31.4791, 29.1502, 90.1944)

Have a look what the booklet for
XYZ(31.4791, 29.1502, 90.1944)
contains.

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Color

**XYZ(31.4917, 29.1358,
90.3502)**

Conversions

Conversions Part 1

Format	Color
Hex	6290F5
RGB	98, 144, 245
RGB Percent	38%, 56%, 96%
CMY	0.6157, 0.4353, 0.0392
CMYK	0.60, 0.41, 0.00, 0.04
HSL	221°, 88%, 67%
HSV	221°, 60%, 96%
XYZ	31.4917, 29.1358, 90.3502
YIQ	141.7600, -59.8370, 21.6590

Conversions

Conversions Part 2

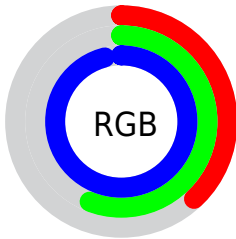
Format	Color
R _Y B	98, 133, 245
Decimal	6459637
CIE Lab	60.90, 14.51, -55.35
CIE LCh	61, 57.223, 284.692
Yxy	29.1358, 0.2086, 0.1930
Android (android.graphics.Color)	4284649717 (0xFF6290F5)
YUV	141.7600, 50.8973, -38.3775
Hunter-Lab	53.9776, 9.6800, -61.4581

Details

The XYZ color **31.4917, 29.1358, 90.3502** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **60.2864, 61.1445, 20.1818**, and the grayscale version is **25.4401, 26.7650, 29.1470**.

A 20% lighter version of the original color is **52.3143, 54.5234, 102.3746**, and **13.2935, 11.7464, 49.1436** is the 20% darker color. If you saturate the color by 10%, you get **26.8789, 23.2511, 89.4581**, and if you desaturate by 10%, it is **37.2958, 36.1997, 91.4084**.

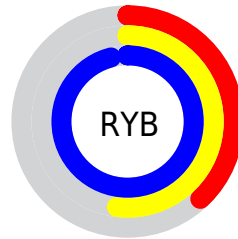
Distribution



Red (38%)

Green (56%)

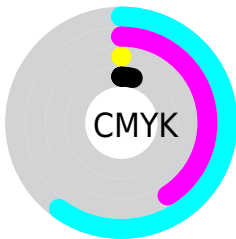
Blue (96%)



Red (38%)

Yellow (52%)

Blue (96%)

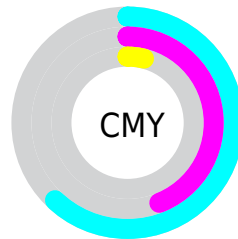


Cyan (60%)

Magenta (41%)

Yellow (0%)

Black (4%)



Cyan (62%)

Magenta (44%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4917, 29.1358, 90.3502 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 31.4917, 29.1358, 90.3502 by changing the saturation by 10% instead.

■ 31.4917, 29.1358,
90.3502

■ 31.4917, 29.1358,
90.3502

300.5838,
297.8552, 549.7689

■ 21.1272, 19.1836,
67.6958

■ 61.3840, 58.2928,
149.7645

■ 13.3300, 11.8030,
49.1851

■ 81.6425, 78.2663,
187.3615

■ 7.7347, 6.6097,
34.3997

■ 105.9297,
102.3491, 230.7764

■ 3.9761, 3.2192,
22.9210

■ 134.6109,
130.9255, 280.4278

■ 1.6886, 1.2472,
14.3304

168.0516,
164.3799, 336.7342

■ 0.4491, 0.0998,
8.2095

206.6171,

■ 0.0000, 0.0000,

203.0967, 400.1141

4.1396

250.6727,
247.4603, 470.9862

■ 0.0000, 0.0000,
1.7022

■ 0.0000, 0.0000,
0.3623

■ 31.4917, 29.1358,
90.3502

■ 31.4917, 29.1358,
90.3502

■ 26.8789, 23.2511,
89.4581

■ 37.2958, 36.1997,
91.4084

■ 23.3605, 18.4698,
88.7206

■ 44.3703, 44.5059,
92.6388

■ 20.8288, 14.7098,
88.1283

■ 52.7911, 54.1159,
94.0499

■ 19.1122, 11.8538,
87.6675

■ 62.6268, 65.0860,
95.6489

■ 19.1118, 11.8530,
87.6674

■ 73.9414, 77.4690,
97.4427

■ 86.7947, 91.3148,
99.4378

■ 93.4816, 99.3726,
100.6407

Harmonies

Analogous

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



24.0762, 29.1358, 90.1206



31.4917, 29.1358, 90.3502



39.0535, 29.1358, 70.7988

Triad

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



31.4917, 29.1358, 90.3502



39.1909, 29.1358, 10.7176



16.0351, 29.1358, 22.0685

Complementary

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



31.4917, 29.1358, 90.3502



60.2864, 61.1445, 20.1818

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.



18.7811, 29.1358, 10.5668



31.4917, 29.1358, 90.3502



31.6543, 29.1358, 6.3099

Square

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



31.4917, 29.1358, 90.3502



44.0114, 29.1358, 22.4053



24.2122, 29.1358, 6.2711



16.0073, 29.1358, 43.3231

Rectangle

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



31.4917, 29.1358, 90.3502



42.7869, 29.1358, 52.7214



24.2122, 29.1358, 6.2711



16.6454, 29.1358, 17.2055

Sweetspot

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



31.4929, 29.1368, 90.3509



70.8841, 73.8125, 105.1190



47.9358, 72.0005, 65.0714



14.4449, 14.9965, 22.3832



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.



31.4929, 29.1368, 90.3509



28.5083, 24.2354, 97.7831



29.3010, 19.6861, 88.6423



16.0042, 16.7727, 20.9365



10.4044, 6.6026, 47.2641



1.0024, 0.7562, 4.1834

Inverse Universe

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



47.0590, 30.1631, 29.7280



47.4711, 27.3985, 23.5025



63.7866, 81.1007, 23.8492



16.7127, 16.5679, 18.2336



21.0562, 10.7659, 5.0042



1.8950, 0.9640, 0.6736

Previews

White Background



This preview shows how the XYZ color 31.4917, 29.1358, 90.3502 looks on a white background.

Color Contrast Check

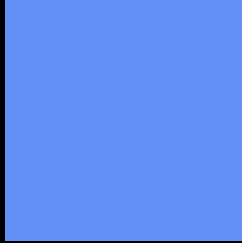
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4917, 29.1358, 90.3502 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

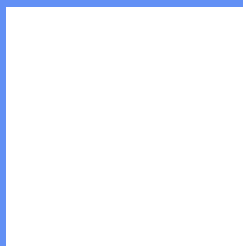
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4917, 29.1358, 90.3502

Background



This preview shows how black text looks on a background with the XYZ color 31.4917, 29.1358, 90.3502.



This preview shows how white text looks on a background with the XYZ color 31.4917, 29.1358,

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

31.4917, 29.1358, 90.3502

Protanopia

31.8605, 29.1196, 89.5294

Deuteranopia

30.0711, 29.1046, 89.6208



Tritanopia

22.2936, 29.2826, 44.0123

Trichromacy



Original Color

31.4917, 29.1358, 90.3502

Protanomaly

31.6311, 29.0014, 89.5186

Deuteranomaly

30.5385, 29.1157, 89.5983

Tritanomaly

24.9250, 28.8125, 58.2805

Monochromacy



Original Color

31.4917, 29.1358, 90.3502

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

26.5633, 27.3352, 46.5240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4917, 29.1358, 90.3502 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(98, 144, 245)` looks like.

```
.text, #text, p{  
    color:rgb(98, 144, 245)  
}
```

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(98, 144, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 144, 245) }
```

Border

The CSS property to change the border of an element to XYZ 31.4917, 29.1358, 90.3502 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(98, 144, 245) }
```


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

```
.border{ border-color:rgb(98, 144, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 144, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 144, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 144, 245);  
box-shadow:4px 4px 4px 4px rgb(98, 144,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4917, 29.1358, 90.3502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 144, 245) }
```

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

```
.background{ background-color: rgb(98, 144,  
245) }
```

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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