

Converting Colors

XYZ(31.2368, 29.2092, 81.0824)

Have a look what the booklet for
XYZ(31.2368, 29.2092, 81.0824)
contains.

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Color

**XYZ(31.2368, 29.2092,
81.0824)**

Conversions

Conversions Part 1

Format	Color
Hex	6F90E9
RGB	111, 144, 233
RGB Percent	44%, 56%, 91%
CMY	0.5647, 0.4353, 0.0863
CMYK	0.52, 0.38, 0.00, 0.09
HSL	224°, 73%, 67%
HSV	224°, 52%, 91%
XYZ	31.2368, 29.2092, 81.0824
YIQ	144.2790, -48.2370, 20.6830

Conversions

Conversions Part 2

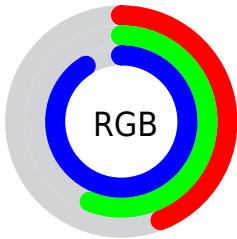
Format	Color
RYB	111, 137, 233
Decimal	7311593
CIELab	60.97, 13.30, -48.58
CIElCh	61, 50.369, 285.309
Yxy	29.2092, 0.2207, 0.2064
Android (android.graphics.Color)	4285501673 (0xFF6F90E9)
YUV	144.2790, 43.7395, -29.1857
Hunter-Lab	54.0455, 8.5883, -51.1186

Details

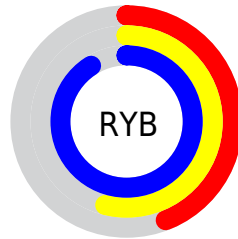
The XYZ color **31.2368, 29.2092, 81.0824** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **57.1295, 59.7825, 23.5688**, and the grayscale version is **26.4658, 27.8441, 30.3222**.

A 20% lighter version of the original color is **54.3784, 55.5875, 102.4712**, and **13.2051, 11.8327, 43.1829** is the 20% darker color. If you saturate the color by 10%, you get **26.2947, 23.1233, 80.1688**, and if you desaturate by 10%, it is **37.3333, 36.4665, 82.1625**.

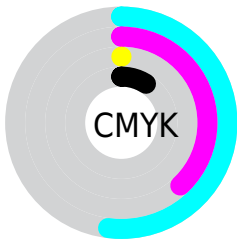
Distribution



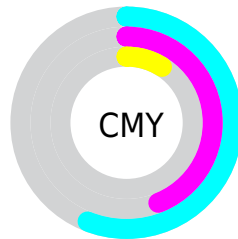
- Red (44%)
- Green (56%)
- Blue (91%)



- Red (44%)
- Yellow (54%)
- Blue (91%)



- Cyan (52%)
- Magenta (38%)
- Yellow (0%)
- Black (9%)



- Cyan (56%)
- Magenta (44%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2368, 29.2092, 81.0824 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 31.2368, 29.2092, 81.0824 by changing the saturation by 10% instead.

■ 31.2368, 29.2092,
81.0824

■ 31.2368, 29.2092,
81.0824

299.4352,
298.2007, 518.3758

■ 20.9319, 19.2391,
60.0781

■ 60.9860, 58.4093,
136.7116

■ 13.1864, 11.8432,
43.0559

■ 81.1611, 78.4081,
172.1735

■ 7.6349, 6.6370,
29.5972

■ 105.3569,
102.5187, 213.2917

■ 3.9121, 3.2361,
19.2836

133.9389,
131.1253, 260.4847

■ 1.6525, 1.2562,
11.6965

167.2723,
164.6124, 314.1711

■ 0.4263, 0.1069,
6.4174

205.7226,

■ 0.0000, 0.0000,

203.3644, 374.7694

3.0276

249.6551,
247.7658, 442.6981

■ 0.0000, 0.0000,
1.1088

■ 0.0000, 0.0000,
0.0000

■ 31.2368, 29.2092,
81.0824

■ 31.2368, 29.2092,
81.0824

■ 26.2947, 23.1233,
80.1688

■ 37.3333, 36.4665,
82.1625

■ 22.4255, 18.1399,
79.4108

■ 44.6513, 44.9525,
83.4147

■ 19.5418, 14.1868,
78.7998

■ 53.2564, 54.7242,
84.8473

■ 17.5390, 11.1801,
78.3250

■ 63.2086, 65.8339,
86.4672

■ 16.4867, 9.4404,
78.0447

■ 74.5638, 78.3311,
88.2809

■ 87.3750, 92.2624,
90.2947

■ 91.7081, 98.6632,
91.3018

Harmonies

Analogous

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



24.6775, 29.2092, 81.2713



31.2368, 29.2092, 81.0824



37.7574, 29.2092, 64.6772

Triad

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



31.2368, 29.2092, 81.0824



37.6391, 29.2092, 12.3804



17.2390, 29.2092, 23.4753

Complementary

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



31.2368, 29.2092, 81.0824



57.1295, 59.7825, 23.5688

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.



19.7082, 29.2092, 12.5283



31.2368, 29.2092, 81.0824



31.0944, 29.2092, 8.0605

Square

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



31.2368, 29.2092, 81.0824



41.8323, 29.2092, 23.1683



24.5558, 29.2092, 8.1011



17.2648, 29.2092, 42.3559

Rectangle

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



31.2368, 29.2092, 81.0824



40.9094, 29.2092, 49.4571



24.5558, 29.2092, 8.1011



17.7853, 29.2092, 18.9478

Sweetspot

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



31.2379, 29.2102, 81.0831



72.8288, 75.5239, 105.3468



45.9388, 65.7555, 63.9608



15.0459, 15.5598, 22.4603



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.



31.2379, 29.2102, 81.0831



31.7620, 27.7381, 98.2877



30.7817, 22.6089, 79.8330



14.5627, 15.2118, 19.0909



9.4426, 5.5322, 44.3131



0.8190, 0.5894, 3.5055

Inverse Universe

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



44.3238, 30.7076, 29.9773



49.8469, 31.1570, 27.3559



57.6205, 72.6295, 26.0226



15.2328, 15.1210, 16.5112



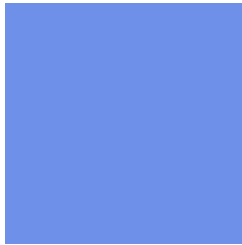
19.6215, 10.0513, 3.8082



1.5799, 0.8049, 0.5050

Previews

White Background



This preview shows how the XYZ color 31.2368, 29.2092, 81.0824 looks on a white background.

Color Contrast Check

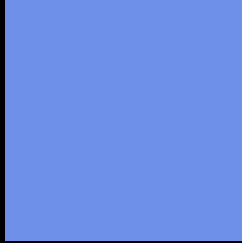
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2368, 29.2092, 81.0824 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 31.2368, 29.2092, 81.0824

Background



This preview shows how black text looks on a background with the XYZ color 31.2368, 29.2092, 81.0824.



This preview shows how white text looks on a background with the XYZ color 31.2368, 29.2092,

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

31.2368, 29.2092, 81.0824

Protanopia

31.4913, 29.3404, 81.0943

Deuteranopia

30.1448, 29.3463, 80.4195



Tritanopia

23.5291, 29.1899, 42.4243

Trichromacy



Original Color

31.2368, 29.2092, 81.0824

Protanomaly

31.3633, 29.2745, 81.0883

Deuteranomaly

30.4379, 29.2675, 80.3889

Tritanomaly

25.8909, 28.9034, 54.6664

Monochromacy



Original Color

31.2368, 29.2092, 81.0824

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.3255, 27.9866, 45.0361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2368, 29.2092, 81.0824 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(111, 144, 233)` looks like.

```
.text, #text, p{  
    color:rgb(111, 144, 233)  
}
```

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(111, 144, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 144, 233) }
```

Border

The CSS property to change the border of an element to XYZ 31.2368, 29.2092, 81.0824 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(111, 144, 233) }
```


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

```
.border{ border-color:rgb(111, 144, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 144, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 144, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 144, 233);  
box-shadow:4px 4px 4px 4px rgb(111, 144,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2368, 29.2092, 81.0824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 144, 233) }
```

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

```
.background{ background-color: rgb(111,  
144, 233) }
```

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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