

Converting Colors

XYZ(31.2059, 21.5848, 86.5274)

Have a look what the booklet for
XYZ(31.2059, 21.5848, 86.5274)
contains.

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Color

**XYZ(31.1307, 21.5457,
86.5224)**

Conversions

Conversions Part 1

Format	Color
Hex	8868F2
RGB	136, 104, 242
RGB Percent	53%, 41%, 95%
CMY	0.4666, 0.5922, 0.0510
CMYK	0.44, 0.57, 0.00, 0.05
HSL	254°, 84%, 68%
HSV	254°, 57%, 95%
XYZ	31.1307, 21.5457, 86.5224
YIQ	129.3000, -25.2260, 49.7020

Conversions

Conversions Part 2

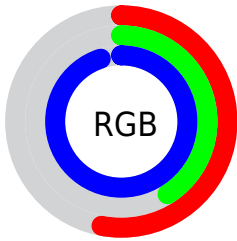
Format	Color
R _Y B	136, 104, 242
Decimal	8939762
CIE Lab	53.54, 44.91, -65.35
CIE LCh	54, 79.292, 304.497
Yxy	21.5457, 0.2236, 0.1548
Android (android.graphics.Color)	4287129842 (0xFF8868F2)
YUV	129.3000, 55.5611, 5.8759
Hunter-Lab	46.4173, 38.4842, -78.0250

Details

The XYZ color **31.1307, 21.5457, 86.5224** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **60.8286, 78.2054, 24.9862**, and the grayscale version is **20.7898, 21.8725, 23.8192**.

A 20% lighter version of the original color is **52.4441, 42.5990, 100.0661**, and **13.1036, 7.7717, 46.7084** is the 20% darker color. If you saturate the color by 10%, you get **26.2735, 15.9300, 85.6949**, and if you desaturate by 10%, it is **37.2121, 28.8301, 87.6084**.

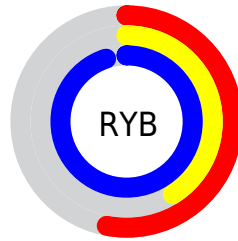
Distribution



Red (53%)

Green (41%)

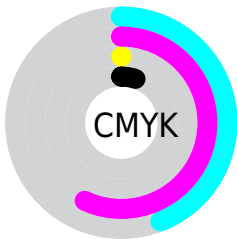
Blue (95%)



Red (53%)

Yellow (41%)

Blue (95%)

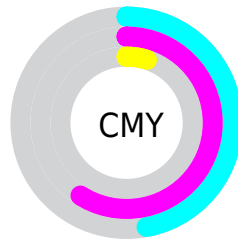


Cyan (44%)

Magenta (57%)

Yellow (0%)

Black (5%)



Cyan (47%)

Magenta (59%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1307, 21.5457, 86.5224 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 31.1307, 21.5457, 86.5224 by changing the saturation by 10% instead.

■ 31.1307, 21.5457,
86.5224

■ 31.1307, 21.5457,
86.5224

298.9561,
260.1645, 536.9276

■ 20.8507, 13.5235,
64.5427

■ 60.8202, 45.9940,
144.3912

■ 13.1268, 7.7900,
46.6414

■ 80.9605, 63.1888,
181.1175

■ 7.5935, 3.9609,
32.3999

■ 105.1182, 84.2100,
223.5962

■ 3.8856, 1.6517,
21.3998

■ 133.6587,
109.4419, 272.2461

■ 1.6376, 0.3921,
13.2225

166.9474,
139.2689, 327.4857

■ 0.4167, 0.0000,
7.4494

205.3497,

■ 0.0000, 0.0000,

174.0754, 389.7334

3.6620

249.2308,
214.2458, 459.4079

■ 0.0000, 0.0000,
1.4418

■ 0.0000, 0.0000,
0.1740

■ 31.1307, 21.5457,
86.5224

■ 31.1307, 21.5457,
86.5224

■ 26.2735, 15.9300,
85.6949

■ 37.2121, 28.8301,
87.6084

■ 22.5490, 11.8437,
85.1025

■ 44.5942, 37.9027,
88.9705

■ 19.8563, 9.1279,
84.7202

■ 53.3503, 48.8742,
90.6267

■ 18.0702, 7.5801,
84.5156

■ 63.5474, 61.8457,
92.5930

■ 17.6648, 7.2551,
84.4742

■ 75.2480, 76.9110,
94.8842

■ 88.5108, 94.1580,
97.5142

■ 93.0271, 99.1908,
98.2476

Harmonies

Analogous

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



21.7795, 21.5457, 107.1720



31.1307, 21.5457, 86.5224



38.9272, 21.5457, 49.7460

Triad

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



31.1307, 21.5457, 86.5224



28.3028, 21.5457, 1.5368



8.1741, 21.5457, 27.3018

Complementary

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



31.1307, 21.5457, 86.5224



60.8286, 78.2054, 24.9862

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.



9.0339, 21.5457, 8.5848



31.1307, 21.5457, 86.5224



19.2304, 21.5457, 0.9274

Square

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



31.1307, 21.5457, 86.5224



37.0043, 21.5457, 5.7398



12.5844, 21.5457, 2.2094



9.7927, 21.5457, 60.9260

Rectangle

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



31.1307, 21.5457, 86.5224



41.2883, 21.5457, 28.2116



12.5844, 21.5457, 2.2094



8.1876, 21.5457, 19.2736

Sweetspot

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



31.1317, 21.5464, 86.5229



71.5395, 69.6149, 104.2742



45.3049, 56.4914, 92.5210



14.7887, 14.2309, 22.2173



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.



31.1317, 21.5464, 86.5229



29.0368, 17.3184, 96.4201



45.5792, 28.9944, 87.1991



15.2403, 15.4056, 19.8919



9.5885, 3.9485, 45.3846



0.8824, 0.3721, 3.7795

Inverse Universe

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



53.2011, 33.4313, 64.6199



56.4656, 32.1298, 67.3721



45.5963, 70.3528, 24.2734



16.2883, 15.9650, 19.0745



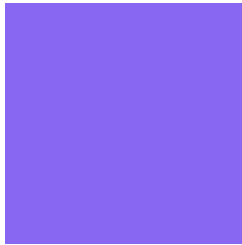
24.4808, 12.0647, 26.2461



2.0742, 1.0187, 2.3815

Previews

White Background



This preview shows how the XYZ color 31.1307, 21.5457, 86.5224 looks on a white background.

Color Contrast Check

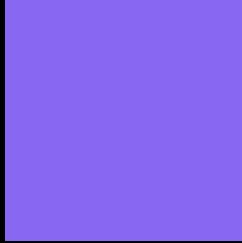
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1307, 21.5457, 86.5224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

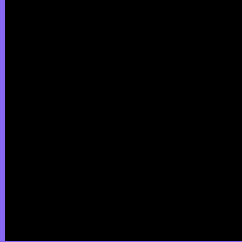
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.1307, 21.5457, 86.5224

Background



This preview shows how black text looks on a background with the XYZ color 31.1307, 21.5457, 86.5224.



This preview shows how white text looks on a background with the XYZ color 31.1307, 21.5457,

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

31.1307, 21.5457, 86.5224

Protanopia

25.9323, 21.7980, 97.4484

Deuteranopia

22.1255, 21.6224, 77.1361



Tritanopia

19.4796, 21.5352, 28.3293

Trichromacy



Original Color

31.1307, 21.5457, 86.5224

Protanomaly

26.3247, 20.8488, 93.0792

Deuteranomaly

22.9553, 20.2682, 80.5442

Tritanomaly

22.6190, 20.8822, 44.9580

Monochromacy



Original Color

31.1307, 21.5457, 86.5224

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

23.4879, 21.2408, 40.8921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1307, 21.5457, 86.5224 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(136, 104, 242)` looks like.

```
.text, #text, p{  
    color:rgb(136, 104, 242)  
}
```

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(136, 104, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 104, 242) }
```

Border

The CSS property to change the border of an element to XYZ 31.1307, 21.5457, 86.5224 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(136, 104, 242) }
```


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

```
.border{ border-color:rgb(136, 104, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 104, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 104, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 104, 242);  
box-shadow:4px 4px 4px 4px rgb(136, 104,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1307, 21.5457, 86.5224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 104, 242) }
```

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

```
.background{ background-color: rgb(136,  
104, 242) }
```

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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