

Converting Colors

XYZ(31.5362, 26.2147, 80.1344)

Have a look what the booklet for
XYZ(31.5362, 26.2147, 80.1344)
contains.

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Color

**XYZ(31.6115, 26.2508,
80.4916)**

Conversions

Conversions Part 1

Format	Color
Hex	8181E9
RGB	129, 129, 233
RGB Percent	51%, 51%, 91%
CMY	0.4941, 0.4941, 0.0863
CMYK	0.45, 0.45, 0.00, 0.09
HSL	240°, 70%, 71%
HSV	240°, 45%, 91%
XYZ	31.6115, 26.2508, 80.4916
YIQ	140.8560, -33.3840, 32.3440

Conversions

Conversions Part 2

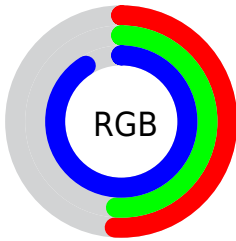
Format	Color
RYB	129, 129, 233
Decimal	8487401
CIELab	58.27, 26.27, -52.78
CIELCh	58, 58.958, 296.464
Yxy	26.2508, 0.2285, 0.1897
Android (android.graphics.Color)	4286677481 (0xFF8181E9)
YUV	140.8560, 45.4270, -10.3977
Hunter-Lab	51.2355, 20.4694, -57.2804

Details

The XYZ color **31.6115, 26.2508, 80.4916** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **66.7052, 77.1865, 32.1522**, and the grayscale version is **25.0992, 26.4063, 28.7564**.

A 20% lighter version of the original color is **55.0276, 51.1150, 101.5737**, and **13.4770, 10.2894, 42.8707** is the 20% darker color. If you saturate the color by 10%, you get **25.7403, 19.1761, 79.4360**, and if you desaturate by 10%, it is **38.9913, 35.1426, 81.8195**.

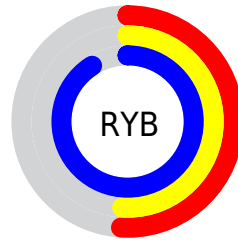
Distribution



Red (51%)

Green (51%)

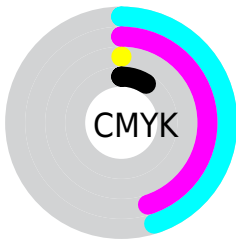
Blue (91%)



Red (51%)

Yellow (51%)

Blue (91%)

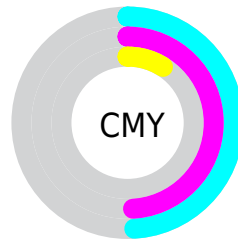


Cyan (45%)

Magenta (45%)

Yellow (0%)

Black (9%)



Cyan (49%)

Magenta (49%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6115, 26.2508, 80.4916 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 31.6115, 26.2508, 80.4916 by changing the saturation by 10% instead.

■ 31.6115, 26.2508,
80.4916

■ 31.6115, 26.2508,
80.4916

301.1225,
284.0111, 516.3384

■ 21.2190, 17.0114,
59.5944

■ 61.5709, 53.6793,
135.8743

■ 13.3976, 10.2426,
42.6687

■ 81.8685, 72.6371,
171.1969

■ 7.7818, 5.5601,
29.2958

■ 106.1985, 95.6032,
212.1651

■ 4.0063, 2.5795,
19.0572

134.9263,
122.9619, 259.1974

■ 1.7057, 0.9164,
11.5344

168.4173,
155.0976, 312.7123

■ 0.4598, 0.0000,
6.3088

207.0367,

■ 0.0000, 0.0000,

192.3948, 373.1285

2.9619

251.1500,
235.2378, 440.8643

■ 0.0000, 0.0000,
1.0752

■ 0.0000, 0.0000,
0.0000

■ 31.6115, 26.2508,
80.4916

■ 31.6115, 26.2508,
80.4916

■ 25.7403, 19.1761,
79.4360

■ 38.9913, 35.1426,
81.8195

■ 21.2708, 13.7907,
78.6321

■ 47.9705, 45.9620,
83.4346

■ 18.0872, 9.9547,
78.0595

■ 58.6364, 58.8138,
85.3531

■ 16.0538, 7.5046,
77.6937

■ 71.0693, 73.7948,
87.5894

■ 15.0045, 6.2404,
77.5050

■ 85.3441, 90.9951,
90.1570

■ 14.7082, 5.8833,
77.4517

■ 91.7081, 98.6632,
91.3017

Harmonies

Analogous

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



24.1101, 26.2508, 88.8660



31.6115, 26.2508, 80.4916



38.2947, 26.2508, 56.4106

Triad

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



31.6115, 26.2508, 80.4916



33.3672, 26.2508, 6.6888



13.5661, 26.2508, 26.2164

Complementary

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



31.6115, 26.2508, 80.4916



66.7052, 77.1865, 32.1522

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.



15.1340, 26.2508, 11.8496



31.6115, 26.2508, 80.4916



25.8104, 26.2508, 4.5127

Square

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



31.6115, 26.2508, 80.4916



39.4371, 26.2508, 14.3524



19.2980, 26.2508, 5.8062



14.5330, 26.2508, 50.0321

Rectangle

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



31.6115, 26.2508, 80.4916



40.8951, 26.2508, 38.8542



19.2980, 26.2508, 5.8062



13.8051, 26.2508, 20.3025

Sweetspot

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



31.6126, 26.2517, 80.4922



74.2100, 74.8890, 105.1515



52.9007, 68.8287, 87.5884



15.2071, 15.2137, 22.3850



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.



31.6126, 26.2517, 80.4922



31.8233, 23.8156, 97.5273



41.6149, 31.4081, 80.9604



14.2313, 14.5490, 18.9804



8.3457, 3.3383, 43.9475



0.6554, 0.2621, 3.4509

Inverse Universe

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



56.1626, 38.9078, 81.6389



65.6857, 41.2723, 99.1087



52.1580, 69.6872, 31.4714



15.7149, 15.3138, 19.0497



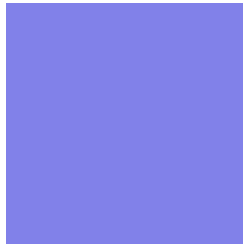
27.4129, 13.1678, 44.8370



2.1526, 1.0340, 3.5208

Previews

White Background



This preview shows how the XYZ color 31.6115, 26.2508, 80.4916 looks on a white background.

Color Contrast Check

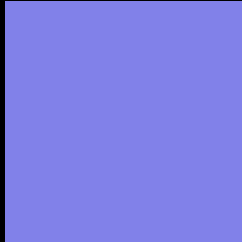
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6115, 26.2508, 80.4916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

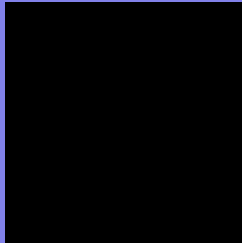
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.6115, 26.2508, 80.4916

Background



This preview shows how black text looks on a background with the XYZ color 31.6115, 26.2508, 80.4916.



This preview shows how white text looks on a background with the XYZ color 31.6115, 26.2508,

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

31.6115, 26.2508, 80.4916

Protanopia

29.2517, 26.3325, 85.9790

Deuteranopia

27.2875, 26.5568, 78.5507



Tritanopia

22.7571, 26.2776, 36.2204

Trichromacy



Original Color

31.6115, 26.2508, 80.4916

Protanomaly

29.7370, 26.0153, 83.5749

Deuteranomaly

28.5151, 26.3135, 79.1774

Tritanomaly

25.3375, 25.9720, 49.5766

Monochromacy



Original Color

31.6115, 26.2508, 80.4916

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.9022, 26.2657, 43.6963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6115, 26.2508, 80.4916 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(129, 129, 233)` looks like.

```
.text, #text, p{  
    color:rgb(129, 129, 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(129, 129, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 129, 233) }
```

Border

The CSS property to change the border of an element to XYZ 31.6115, 26.2508, 80.4916 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(129, 129, 233) }
```


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

```
.border{ border-color:rgb(129, 129, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 129, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 129, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 129, 233);  
box-shadow:4px 4px 4px 4px rgb(129, 129,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6115, 26.2508, 80.4916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 129, 233) }
```

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

```
.background{ background-color: rgb(129,  
129, 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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