

Converting Colors

XYZ(31.5528, 24.7711, 89.3463)

Have a look what the booklet for
XYZ(31.5528, 24.7711, 89.3463)
contains.

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Color

**XYZ(31.4670, 24.6492,
89.4855)**

Conversions

Conversions Part 1

Format	Color
Hex	7A7AF5
RGB	122, 122, 245
RGB Percent	48%, 48%, 96%
CMY	0.5215, 0.5216, 0.0392
CMYK	0.50, 0.50, 0.00, 0.04
HSL	240°, 86%, 72%
HSV	240°, 50%, 96%
XYZ	31.4670, 24.6492, 89.4855
YIQ	136.0220, -39.4830, 38.2530

Conversions

Conversions Part 2

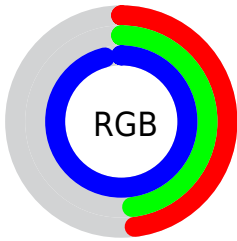
Format	Color
R _Y B	122, 122, 245
Decimal	8026869
CIE _{Lab}	56.73, 32.39, -61.94
CIE _{LCh}	57, 69.898, 297.609
Y _{xy}	24.6492, 0.2161, 0.1693
Android (android.graphics.Color)	4286216949 (0xFF7A7AF5)
Y _{UV}	136.0220, 53.7262, -12.2973
Hunter-Lab	49.6480, 26.2498, -72.1107

Details

The XYZ color **31.4670, 24.6492, 89.4855** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **73.8205, 86.1222, 31.1453**, and the grayscale version is **23.2268, 24.4364, 26.6113**.

A 20% lighter version of the original color is **52.2421, 47.3159, 100.9872**, and **13.3231, 9.3566, 48.6807** is the 20% darker color. If you saturate the color by 10%, you get **25.7866, 17.8042, 88.4642**, and if you desaturate by 10%, it is **38.7819, 33.4627, 90.8017**.

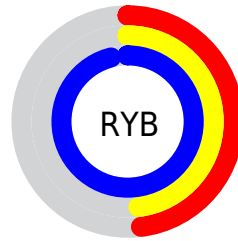
Distribution



Red (48%)

Green (48%)

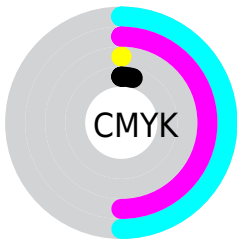
Blue (96%)



Red (48%)

Yellow (48%)

Blue (96%)

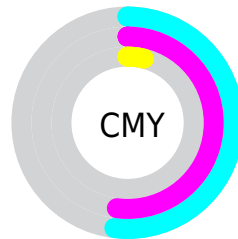


Cyan (50%)

Magenta (50%)

Yellow (0%)

Black (4%)



Cyan (52%)

Magenta (52%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4670, 24.6492, 89.4855 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 31.4670, 24.6492, 89.4855 by changing the saturation by 10% instead.

■ 31.4670, 24.6492,
89.4855

■ 31.4670, 24.6492,
89.4855

300.4727,
276.0864, 546.8826

■ 21.1083, 15.8159,
66.9827

■ 61.3454, 51.0875,
148.5528

■ 13.3161, 9.3940,
48.6091

■ 81.5958, 69.4614,
185.9544

■ 7.7251, 4.9990,
33.9460

■ 105.8742, 91.7842,
229.1593

■ 3.9698, 2.2467,
22.5751

134.5459,
118.4403, 278.5860

■ 1.6851, 0.7453,
14.0778

167.9762,
149.8142, 334.6532

■ 0.4469, 0.0000,
8.0354

206.5305,

■ 0.0000, 0.0000,

186.2903, 397.7793

4.0295

250.5742,
228.2529, 468.3830

■ 0.0000, 0.0000,
1.6415

■ 0.0000, 0.0000,
0.3202

■ 31.4670, 24.6492,
89.4855

■ 31.4670, 24.6492,
89.4855

■ 25.7866, 17.8042,
88.4642

■ 38.7819, 33.4627,
90.8017

■ 21.6124, 12.7746,
87.7134

■ 47.8402, 44.3774,
92.4310

■ 18.8021, 9.3885,
87.2079

■ 58.7452, 57.5172,
94.3925

■ 17.1851, 7.4402,
86.9171

■ 71.5911, 72.9959,
96.7031

■ 16.4816, 6.5927,
86.7906

■ 86.4659, 90.9193,
99.3787

■ 93.4815, 99.3726,
100.6406

Harmonies

Analogous

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



22.7807, 24.6492, 101.2879



31.4670, 24.6492, 89.4855



39.3086, 24.6492, 58.7738

Triad

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



31.4670, 24.6492, 89.4855



32.8656, 24.6492, 3.9804



11.0001, 24.6492, 25.0098

Complementary

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



31.4670, 24.6492, 89.4855



73.8205, 86.1222, 31.1453

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.



12.5307, 24.6492, 9.2613



31.4670, 24.6492, 89.4855



24.0881, 24.6492, 2.3347

Square

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



31.4670, 24.6492, 89.4855



40.2389, 24.6492, 10.9499



16.8905, 24.6492, 3.4785



12.1049, 24.6492, 53.4733

Rectangle

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



31.4670, 24.6492, 89.4855



42.3091, 24.6492, 37.6668



16.8905, 24.6492, 3.4785



11.2137, 24.6492, 18.3144

Sweetspot

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



31.4681, 24.6500, 89.4861



71.3399, 71.4306, 104.6352



57.1604, 76.0355, 98.0504



14.6424, 14.5332, 22.2834



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.



31.4681, 24.6500, 89.4861



28.2815, 19.5478, 96.8903



43.0891, 30.6408, 90.0300



15.5813, 15.9268, 20.7955



8.8790, 3.5516, 46.7556



0.7804, 0.3122, 4.1094

Inverse Universe

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



61.0970, 39.9243, 90.8693



64.0405, 37.9824, 98.5592



55.8134, 76.8392, 30.3026



17.2137, 16.7683, 20.8718



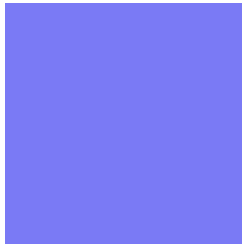
29.1643, 14.0092, 47.7012



2.5633, 1.2313, 4.1925

Previews

White Background



This preview shows how the XYZ color 31.4670, 24.6492, 89.4855 looks on a white background.

Color Contrast Check

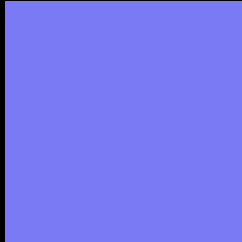
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4670, 24.6492, 89.4855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

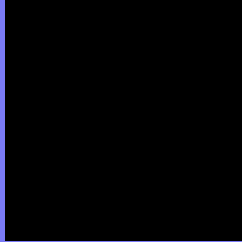
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4670, 24.6492, 89.4855

Background



This preview shows how black text looks on a background with the XYZ color 31.4670, 24.6492, 89.4855.



This preview shows how white text looks on a background with the XYZ color 31.4670, 24.6492,

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

31.4670, 24.6492, 89.4855

Protanopia

28.8271, 25.0246, 97.9186

Deuteranopia

25.7286, 24.9211, 86.6733



Tritanopia

20.5057, 24.6928, 34.6958

Trichromacy



Original Color

31.4670, 24.6492, 89.4855

Protanomaly

29.2516, 24.5272, 94.4593

Deuteranomaly

26.6622, 24.1423, 87.2591

Tritanomaly

23.5902, 24.1822, 51.0013

Monochromacy



Original Color

31.4670, 24.6492, 89.4855

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.3128, 24.1925, 44.4098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4670, 24.6492, 89.4855 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(122, 122, 245)` looks like.

```
.text, #text, p{  
    color:rgb(122, 122, 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(122, 122, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 122, 245) }
```

Border

The CSS property to change the border of an element to XYZ 31.4670, 24.6492, 89.4855 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(122, 122, 245) }
```


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

```
.border{ border-color:rgb(122, 122, 245) }
```

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

Here you see how a box with a 4 pixel rgb(122, 122, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 122, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 122, 245);  
box-shadow:4px 4px 4px 4px rgb(122, 122,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4670, 24.6492, 89.4855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 122, 245) }
```

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

```
.background{ background-color: rgb(122,  
122, 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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