

Converting Colors

XYZ(30.8730, 24.5891, 75.0715)

Have a look what the booklet for
XYZ(30.8730, 24.5891, 75.0715)
contains.

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Color

**XYZ(31.0035, 24.7284,
75.0905)**

Conversions

Conversions Part 1

Format	Color
Hex	897AE2
RGB	137, 122, 226
RGB Percent	54%, 48%, 89%
CMY	0.4627, 0.5216, 0.1137
CMYK	0.39, 0.46, 0.00, 0.11
HSL	249°, 64%, 68%
HSV	249°, 46%, 89%
XYZ	31.0035, 24.7284, 75.0905
YIQ	138.3410, -24.4440, 35.5240

Conversions

Conversions Part 2

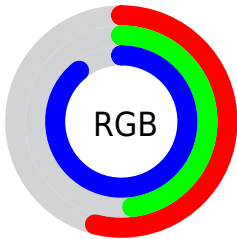
Format	Color
RYB	137, 122, 226
Decimal	9009890
CIELab	56.81, 30.35, -51.17
CIELCh	57, 59.491, 300.676
Yxy	24.7284, 0.2370, 0.1890
Android (android.graphics.Color)	4287199970 (0xFF897AE2)
YUV	138.3410, 43.2159, -1.1761
Hunter-Lab	49.7277, 24.2653, -54.7206

Details

The XYZ color **31.0035, 24.7284, 75.0905** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **57.5732, 69.6470, 28.8218**, and the grayscale version is **24.1352, 25.3921, 27.6520**.

A 20% lighter version of the original color is **55.6281, 49.3493, 101.2012**, and **13.0316, 9.4167, 39.1610** is the 20% darker color. If you saturate the color by 10%, you get **25.6532, 18.3191, 74.1359**, and if you desaturate by 10%, it is **37.5692, 32.7227, 76.2880**.

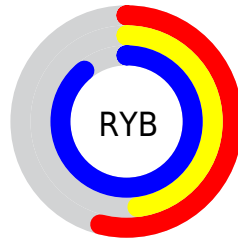
Distribution



Red (54%)

Green (48%)

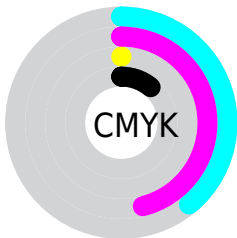
Blue (89%)



Red (54%)

Yellow (48%)

Blue (89%)

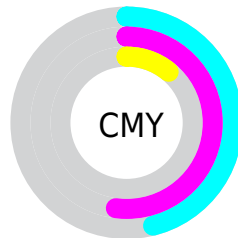


Cyan (39%)

Magenta (46%)

Yellow (0%)

Black (11%)



Cyan (46%)

Magenta (52%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0035, 24.7284, 75.0905 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 31.0035, 24.7284, 75.0905 by changing the saturation by 10% instead.

■ 31.0035, 24.7284,
75.0905

■ 31.0035, 24.7284,
75.0905

298.3810,
276.4826, 497.4923

■ 20.7534, 15.8748,
55.1849

■ 60.6214, 51.2163,
128.1887

■ 13.0553, 9.4356,
39.1501

■ 80.7198, 69.6193,
162.2184

■ 7.5439, 5.0264,
26.5678

■ 104.8318, 91.9744,
201.7932

■ 3.8538, 2.2628,
17.0193

133.3225,
118.6657, 247.3316

■ 1.6198, 0.7539,
10.0862

166.5575,
150.0779, 299.2521

■ 0.4052, 0.0000,
5.3498

204.9020,

■ 0.0000, 0.0000,

186.5951, 357.9734

2.3916

248.7214,
228.6019, 423.9140

■ 0.0000, 0.0000,
0.7819

■ 0.0000, 0.0000,
0.0000

■ 31.0035, 24.7284,
75.0905

■ 31.0035, 24.7284,
75.0905

■ 25.6532, 18.3191,
74.1359

■ 37.5692, 32.7227,
76.2880

■ 21.4396, 13.3858,
73.4057

■ 45.4164, 42.3959,
77.7415

■ 18.2792, 9.8098,
72.8820

■ 54.6101, 53.8376,
79.4654

■ 16.0754, 7.4523,
72.5432

■ 65.2096, 67.1304,
81.4725

■ 14.7122, 6.1437,
72.3624

■ 77.2711, 82.3514,
83.7748

■ 14.3420, 5.8078,
72.3171

■ 90.0116, 97.9019,
86.1048

■ 90.7276, 98.2710,
86.1383

Harmonies

Analogous

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



23.6616, 24.7284, 86.2056



31.0035, 24.7284, 75.0905



37.1892, 24.7284, 50.3604

Triad

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



31.0035, 24.7284, 75.0905



30.6762, 24.7284, 5.4409



12.5117, 24.7284, 27.3791

Complementary

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



31.0035, 24.7284, 75.0905



57.5732, 69.6470, 28.8218

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.



13.6700, 24.7284, 12.1921



31.0035, 24.7284, 75.0905



23.3463, 24.7284, 3.9213

Square

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



31.0035, 24.7284, 75.0905



36.9755, 24.7284, 11.7367



17.3227, 24.7284, 5.5979



13.7802, 24.7284, 51.5569

Rectangle

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



31.0035, 24.7284, 75.0905



39.3142, 24.7284, 33.6155



17.3227, 24.7284, 5.5979



12.6274, 24.7284, 21.1870

Sweetspot

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



31.0045, 24.7293, 75.0911



74.3399, 73.9590, 104.9651



45.3309, 56.7828, 80.5230



15.3002, 15.0656, 22.3515



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.



31.0045, 24.7293, 75.0911



34.1409, 24.5738, 97.5515



41.3938, 30.0852, 75.5773



13.1351, 13.3377, 17.2698



8.2419, 3.3442, 41.2595



0.6303, 0.2622, 2.8626

Inverse Universe

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



50.0818, 34.7915, 65.7032



62.3043, 39.4493, 82.7532



45.2337, 63.2858, 28.2443



14.2056, 13.8999, 16.8526



23.4442, 11.4447, 30.0685



1.6486, 0.8027, 2.2083

Previews

White Background



This preview shows how the XYZ color 31.0035, 24.7284, 75.0905 looks on a white background.

Color Contrast Check

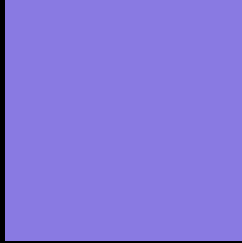
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0035, 24.7284, 75.0905 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 31.0035, 24.7284, 75.0905

Background



This preview shows how black text looks on a background with the XYZ color 31.0035, 24.7284, 75.0905.



This preview shows how white text looks on a background with the XYZ color 31.0035, 24.7284,

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

31.0035, 24.7284, 75.0905

Protanopia

27.7443, 25.0048, 82.7210

Deuteranopia

25.7446, 25.0129, 73.2831



Tritanopia

22.3454, 24.5892, 32.4226

Trichromacy



Original Color

31.0035, 24.7284, 75.0905

Protanomaly

28.4791, 24.6525, 79.6013

Deuteranomaly

27.1853, 24.7091, 73.8575

Tritanomaly

25.0276, 24.4250, 45.5149

Monochromacy



Original Color

31.0035, 24.7284, 75.0905

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.9882, 24.8081, 41.4489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0035, 24.7284, 75.0905 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(137, 122, 226)` looks like.

```
.text, #text, p{  
    color:rgb(137, 122, 226)  
}
```

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(137, 122, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 122, 226) }
```

Border

The CSS property to change the border of an element to XYZ 31.0035, 24.7284, 75.0905 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(137, 122, 226) }
```


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

```
.border{ border-color:rgb(137, 122, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 122, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 122, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 122, 226); box-shadow:4px 4px 4px 4px rgb(137, 122, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0035, 24.7284, 75.0905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 122, 226) }
```

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

```
.background{ background-color: rgb(137,  
122, 226) }
```

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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