

Converting Colors

XYZ(31.4221, 25.5408, 75.4735)

Have a look what the booklet for
XYZ(31.4221, 25.5408, 75.4735)
contains.

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Color

**XYZ(31.3776, 25.4766,
75.2152)**

Conversions

Conversions Part 1

Format	Color
Hex	897DE2
RGB	137, 125, 226
RGB Percent	54%, 49%, 89%
CMY	0.4627, 0.5098, 0.1137
CMYK	0.39, 0.45, 0.00, 0.11
HSL	247°, 64%, 69%
HSV	247°, 45%, 89%
XYZ	31.3776, 25.4766, 75.2152
YIQ	140.1020, -25.2690, 33.9550

Conversions

Conversions Part 2

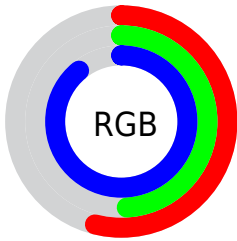
Format	Color
RYB	137, 125, 226
Decimal	9010658
CIELab	57.54, 28.60, -50.01
CIElCh	58, 57.609, 299.761
Yxy	25.4766, 0.2376, 0.1929
Android (android.graphics.Color)	4287200738 (0xFF897DE2)
YUV	140.1020, 42.3477, -2.7205
Hunter-Lab	50.4743, 22.6352, -53.0199

Details

The XYZ color **31.3776, 25.4766, 75.2152** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **58.6297, 70.1698, 29.8568**, and the grayscale version is **24.8154, 26.1078, 28.4313**.

A 20% lighter version of the original color is **56.2185, 50.5301, 101.3980**, and **13.2335, 9.8205, 39.2283** is the 20% darker color. If you saturate the color by 10%, you get **25.8667, 18.8611, 74.2292**, and if you desaturate by 10%, it is **38.1439, 33.7062, 76.4475**.

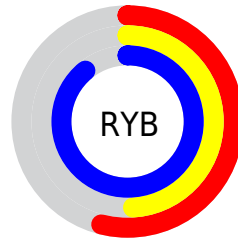
Distribution



Red (54%)

Green (49%)

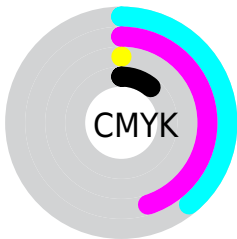
Blue (89%)



Red (54%)

Yellow (49%)

Blue (89%)

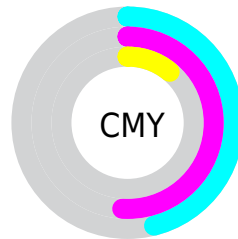


Cyan (39%)

Magenta (45%)

Yellow (0%)

Black (11%)



Cyan (46%)

Magenta (51%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3776, 25.4766, 75.2152 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 31.3776, 25.4766, 75.2152 by changing the saturation by 10% instead.

■ 31.3776, 25.4766,
75.2152

■ 31.3776, 25.4766,
75.2152

300.0701,
280.2032, 497.9321

■ 21.0398, 16.4325,
55.2864

■ 61.2059, 52.4294,
128.3668

■ 13.2657, 9.8307,
39.2309

■ 81.4271, 71.1068,
162.4268

■ 7.6900, 5.2869,
26.6302

■ 105.6734, 93.7641,
202.0342

■ 3.9474, 2.4165,
17.0657

134.3103,
120.7858, 247.6076

■ 1.6724, 0.8344,
10.1189

167.7030,
152.5561, 299.5655

■ 0.4389, 0.0000,
5.3712

206.2170,

■ 0.0000, 0.0000,

189.4595, 358.3266

2.4042

250.2176,
231.8804, 424.3092

■ 0.0000, 0.0000,
0.7887

■ 0.0000, 0.0000,
0.0000

■ 31.3776, 25.4766,
75.2152

■ 31.3776, 25.4766,
75.2152

■ 25.8667, 18.8611,
74.2292

■ 38.1439, 33.7062,
76.4475

■ 21.5302, 13.7504,
73.4713

■ 46.2337, 43.6439,
77.9393

■ 18.2823, 10.0259,
72.9236

■ 55.7137, 55.3799,
79.7050

■ 16.0241, 7.5499,
72.5647

■ 66.6455, 68.9971,
81.7572

■ 14.6376, 6.1554,
72.3686

■ 79.0867, 84.5733,
84.1080

■ 14.1757, 5.7221,
72.3093

■ 90.7276, 98.2710,
86.1384

Harmonies

Analogous

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



24.1597, 25.4766, 85.3351



31.3776, 25.4766, 75.2152



37.5061, 25.4766, 51.4723

Triad

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



31.3776, 25.4766, 75.2152



31.4911, 25.4766, 6.2178



13.2660, 25.4766, 27.5823

Complementary

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



31.3776, 25.4766, 75.2152



58.6297, 70.1698, 29.8568

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.



14.5055, 25.4766, 12.7220



31.3776, 25.4766, 75.2152



24.2699, 25.4766, 4.5060

Square

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



31.3776, 25.4766, 75.2152



37.5799, 25.4766, 12.8852



18.2344, 25.4766, 6.1597



14.4664, 25.4766, 51.0609

Rectangle

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



31.3776, 25.4766, 75.2152



39.6700, 25.4766, 35.0185



18.2344, 25.4766, 6.1597



13.4072, 25.4766, 21.5466

Sweetspot

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



31.3786, 25.4775, 75.2158



75.4294, 75.5176, 105.2085



46.2870, 58.0545, 80.7181



15.5029, 15.3662, 22.3988



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.



31.3786, 25.4775, 75.2158



34.2241, 25.0533, 97.6397



41.6247, 30.7596, 75.6953



13.1026, 13.3209, 17.2683



8.1388, 3.2910, 41.2546



0.6149, 0.2543, 2.8619

Inverse Universe

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



50.8356, 35.6917, 67.8276



63.1627, 40.2632, 85.8232



46.1501, 63.7364, 29.2728



14.2212, 13.9061, 16.9351



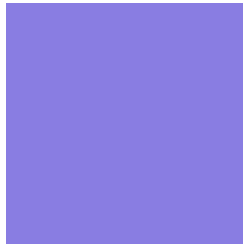
23.8131, 11.5923, 32.0113



1.6707, 0.8115, 2.3246

Previews

White Background



This preview shows how the XYZ color 31.3776, 25.4766, 75.2152 looks on a white background.

Color Contrast Check

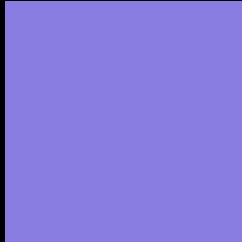
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3776, 25.4766, 75.2152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

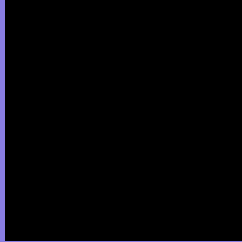
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3776, 25.4766, 75.2152

Background



This preview shows how black text looks on a background with the XYZ color 31.3776, 25.4766, 75.2152.



This preview shows how white text looks on a background with the XYZ color 31.3776, 25.4766,

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

31.3776, 25.4766, 75.2152

Protanopia

28.3787, 25.7590, 82.0735

Deuteranopia

26.3382, 25.5309, 73.3518



Tritanopia

23.0204, 25.3427, 33.8153

Trichromacy



Original Color

31.3776, 25.4766, 75.2152

Protanomaly

29.1122, 25.3738, 79.7072

Deuteranomaly

27.6678, 25.1601, 73.9192

Tritanomaly

25.5064, 25.0589, 46.6725

Monochromacy



Original Color

31.3776, 25.4766, 75.2152

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.6621, 25.7572, 42.0945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3776, 25.4766, 75.2152 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, 125, 226)` looks like.

```
.text, #text, p{  
    color:rgb(137, 125, 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, 125, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 125, 226) }
```

Border

The CSS property to change the border of an element to XYZ 31.3776, 25.4766, 75.2152 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, 125, 226) }
```


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

```
.border{ border-color:rgb(137, 125, 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, 125, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 125, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 125, 226);  
box-shadow:4px 4px 4px 4px rgb(137, 125,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3776, 25.4766, 75.2152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 125, 226) }
```

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

```
.background{ background-color: rgb(137,  
125, 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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