

Converting Colors

XYZ(33.0826, 24.9227, 75.0348)

Have a look what the booklet for
XYZ(33.0826, 24.9227, 75.0348)
contains.

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Color

**XYZ(33.0377, 24.8890,
75.0143)**

Conversions

Conversions Part 1

Format	Color
Hex	9875E2
RGB	152, 117, 226
RGB Percent	60%, 46%, 89%
CMY	0.4039, 0.5412, 0.1137
CMYK	0.33, 0.48, 0.00, 0.11
HSL	259°, 65%, 67%
HSV	259°, 48%, 89%
XYZ	33.0377, 24.8890, 75.0143
YIQ	139.8910, -14.1290, 41.3190

Conversions

Conversions Part 2

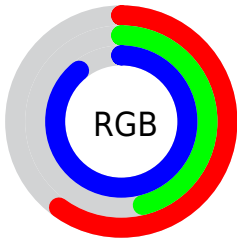
Format	Color
R_{YB}	152, 117, 226
Decimal	9991650
CIE _{Lab}	56.97, 37.04, -50.84
CIE _{LCh}	57, 62.900, 306.079
Yxy	24.8890, 0.2485, 0.1872
Android (android.graphics.Color)	4288181730 (0xFF9875E2)
YUV	139.8910, 42.4517, 10.6196
Hunter-Lab	49.8889, 30.9018, -54.2279

Details

The XYZ color **33.0377, 24.8890, 75.0143** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **51.8933, 66.7538, 26.9801**, and the grayscale version is **24.7303, 26.0182, 28.3338**.

A 20% lighter version of the original color is **58.7192, 49.5248, 101.0721**, and **14.2526, 9.5779, 39.1277** is the 20% darker color. If you saturate the color by 10%, you get **28.0271, 18.8579, 74.1147**, and if you desaturate by 10%, it is **39.0573, 32.3845, 76.1443**.

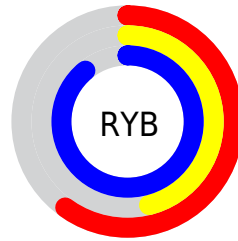
Distribution



Red (60%)

Green (46%)

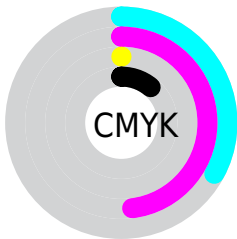
Blue (89%)



Red (60%)

Yellow (46%)

Blue (89%)

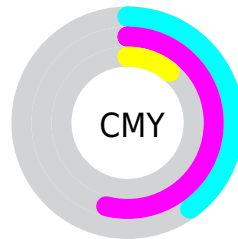


Cyan (33%)

Magenta (48%)

Yellow (0%)

Black (11%)



Cyan (40%)

Magenta (54%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0377, 24.8890, 75.0143 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 33.0377, 24.8890, 75.0143 by changing the saturation by 10% instead.

■ 33.0377, 24.8890,
75.0143

■ 33.0377, 24.8890,
75.0143

307.4816,
277.2847, 497.2234

■ 22.3147, 15.9944,
55.1228

■ 63.7887, 51.4771,
128.0799

■ 14.2062, 9.5202,
39.1008

■ 84.5473, 69.9393,
162.0911

■ 8.3469, 5.0820,
26.5297

■ 109.3820, 92.3596,
201.6459

■ 4.3714, 2.2955,
16.9910

138.6579,
119.1223, 247.1629

■ 1.9143, 0.7713,
10.0662

172.7404,
150.6117, 299.0606

■ 0.5851, 0.0000,
5.3367

211.9950,

■ 0.0000, 0.0000,

187.2123, 357.7576

2.3840

256.7869,
229.3085, 423.6723

■ 0.0000, 0.0000,
0.7777

■ 0.0000, 0.0000,
0.0000

■ 33.0377, 24.8890,
75.0143

■ 33.0377, 24.8890,
75.0143

■ 28.0271, 18.8579,
74.1147

■ 39.0573, 32.3845,
76.1443

■ 23.9619, 14.1882,
73.4276

■ 46.1382, 41.4323,
77.5175


■ 20.7752, 10.7672,
72.9353

■ 54.3324, 52.1166,
79.1479


■ 18.3886, 8.4623,
72.6162


■ 63.6875, 64.5143,
81.0478

 16.6953, 7.0855,
72.4397

 74.2482, 78.6978,
83.2289

 16.4429, 6.8908,
72.4154

 86.0568, 94.7350,
85.7020

 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.



25.1915, 24.8890, 90.9443



33.0377, 24.8890, 75.0143



39.1466, 24.8890, 47.1483

Triad

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



33.0377, 24.8890, 75.0143



29.8904, 24.8890, 4.3380



12.1636, 24.8890, 31.6368

Complementary

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



33.0377, 24.8890, 75.0143



51.8933, 66.7538, 26.9801

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.



12.9095, 24.8890, 13.7338



33.0377, 24.8890, 75.0143



22.1847, 24.8890, 3.4455

Square

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



33.0377, 24.8890, 75.0143



37.0811, 24.8890, 9.5186



16.2436, 24.8890, 5.7349



13.9396, 24.8890, 58.7777

Rectangle

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



33.0377, 24.8890, 75.0143



40.8292, 24.8890, 29.9752



16.2436, 24.8890, 5.7349



12.1337, 24.8890, 24.4146

Sweetspot

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



33.0387, 24.8899, 75.0149



76.3387, 74.9894, 105.0587



39.8007, 46.7464, 78.8772



15.7819, 15.3139, 22.3740



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.



33.0387, 24.8899, 75.0149



36.7577, 24.6846, 97.4350



45.5476, 31.3385, 75.6003



13.3643, 13.4559, 17.2805



9.4905, 3.9879, 41.3179



0.7491, 0.3234, 2.8682

Inverse Universe

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



47.1297, 32.6536, 53.1088



57.8327, 36.3261, 63.3205



40.7217, 60.9946, 26.4573



14.0980, 13.8568, 16.2861



21.2500, 10.5670, 18.5143



1.5133, 0.7486, 1.4957

Previews

White Background



This preview shows how the XYZ color 33.0377, 24.8890, 75.0143 looks on a white background.

Color Contrast Check

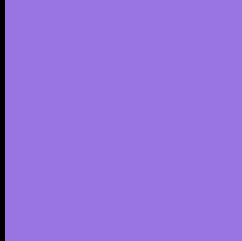
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.0377, 24.8890, 75.0143 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 33.0377, 24.8890, 75.0143

Background



This preview shows how black text looks on a background with the XYZ color 33.0377, 24.8890, 75.0143.

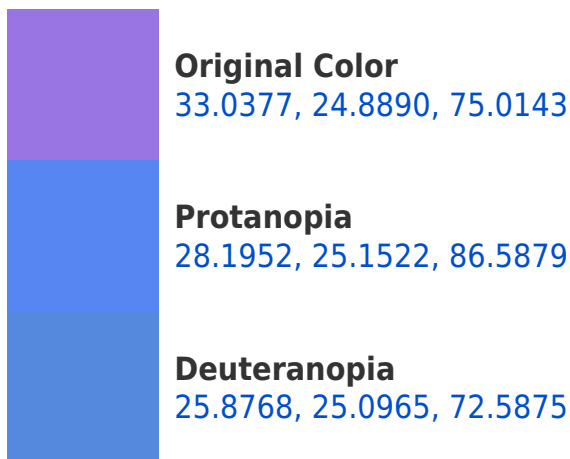


This preview shows how white text looks on a background with the XYZ color 33.0377, 24.8890,

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





Tritanopia

24.1458, 24.9179, 30.7311

Trichromacy



Original Color

33.0377, 24.8890, 75.0143

Protanomaly

29.2852, 24.6144, 82.5644

Deuteranomaly

27.6086, 24.5442, 73.0944

Tritanomaly

26.7434, 24.5464, 43.8858

Monochromacy



Original Color

33.0377, 24.8890, 75.0143

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

27.1035, 25.3721, 41.9969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0377, 24.8890, 75.0143 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(152, 117, 226)` looks like.

```
.text, #text, p{  
    color:rgb(152, 117, 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(152, 117, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 117, 226) }
```

Border

The CSS property to change the border of an element to XYZ 33.0377, 24.8890, 75.0143 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(152, 117, 226) }
```


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

```
.border{ border-color:rgb(152, 117, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 117, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 117, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 117, 226);  
box-shadow:4px 4px 4px 4px rgb(152, 117,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0377, 24.8890, 75.0143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 117, 226) }
```

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

```
.background{ background-color: rgb(152,  
117, 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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