

Converting Colors

XYZ(33.2107, 24.8317, 81.6399)

Have a look what the booklet for
XYZ(33.2107, 24.8317, 81.6399)
contains.

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Color

**XYZ(33.2107, 24.8317,
81.6399)**

Conversions

Conversions Part 1

Format	Color
Hex	9275EB
RGB	146, 117, 235
RGB Percent	57%, 46%, 92%
CMY	0.4274, 0.5412, 0.0784
CMYK	0.38, 0.50, 0.00, 0.08
HSL	255°, 75%, 69%
HSV	255°, 50%, 92%
XYZ	33.2107, 24.8317, 81.6399
YIQ	139.1230, -20.5940, 42.8460

Conversions

Conversions Part 2

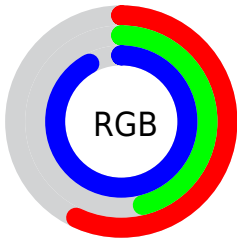
Format	Color
RYB	146, 117, 235
Decimal	9598443
CIELab	56.91, 37.90, -55.99
CIELCh	57, 67.606, 304.093
Yxy	24.8317, 0.2378, 0.1778
Android (android.graphics.Color)	4287788523 (0xFF9275EB)
YUV	139.1230, 47.2674, 6.0311
Hunter-Lab	49.8314, 31.7583, -62.2541

Details

The XYZ color **33.2107, 24.8317, 81.6399** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **58.3729, 73.8231, 28.0030**, and the grayscale version is **24.4182, 25.6899, 27.9763**.

A 20% lighter version of the original color is **57.0533, 48.6660, 100.9942**, and **14.3195, 9.5223, 43.2027** is the 20% darker color. If you saturate the color by 10%, you get **27.8982, 18.5262, 80.7033**, and if you desaturate by 10%, it is **39.7009, 32.7650, 82.8296**.

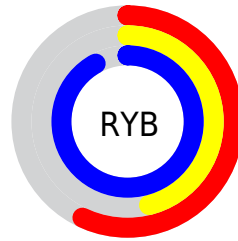
Distribution



Red (57%)

Green (46%)

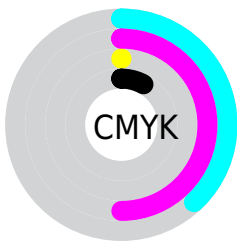
Blue (92%)



Red (57%)

Yellow (46%)

Blue (92%)

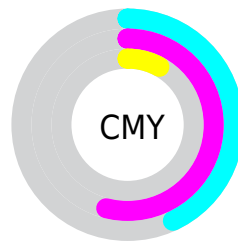


Cyan (38%)

Magenta (50%)

Yellow (0%)

Black (8%)



Cyan (43%)

Magenta (54%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2107, 24.8317, 81.6399 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 33.2107, 24.8317, 81.6399 by changing the saturation by 10% instead.

■ 33.2107, 24.8317,
81.6399

■ 33.2107, 24.8317,
81.6399

308.2463,
276.9988, 520.2942

■ 22.4479, 15.9517,
60.5347

■ 64.0568, 51.3841,
137.5011

■ 14.3048, 9.4900,
43.4216

■ 84.8709, 69.8252,
173.0941

■ 8.4161, 5.0621,
29.8822

■ 109.7660, 92.2222,
214.3534

■ 4.4164, 2.2838,
19.4979

139.1077,
118.9595, 261.6976

■ 1.9403, 0.7651,
11.8502

173.2612,
150.4214, 315.5453

■ 0.6001, 0.0000,
6.5204

212.5919,

■ 0.0000, 0.0000,

186.9923, 376.3149

3.0902

257.4652,
229.0566, 444.4250

■ 0.0000, 0.0000,
1.1409

■ 0.0000, 0.0000,
0.0000

■ 33.2107, 24.8317,
81.6399

■ 33.2107, 24.8317,
81.6399

■ 27.8982, 18.5262,
80.7033

■ 39.7009, 32.7650,
82.8296

■ 23.6855, 13.7295,
79.9995

■ 47.4336, 42.4284,
84.2873

■ 20.4893, 10.3100,
79.5079

■ 56.4726, 53.9186,
86.0287

■ 18.2119, 8.1112,
79.2035

■ 66.8761, 67.3244,
88.0679

■ 16.7264, 6.8905,
79.0462

■ 78.6988, 82.7287,
90.4182

■ 91.0269, 98.2789,
92.7699

■ 91.9955, 98.7782,
92.8152

Harmonies

Analogous

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



24.7058, 24.8317, 98.0630



33.2107, 24.8317, 81.6399



40.1250, 24.8317, 50.9256

Triad

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



33.2107, 24.8317, 81.6399



30.9017, 24.8317, 3.7199



11.4357, 24.8317, 30.2723

Complementary

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



33.2107, 24.8317, 81.6399



58.3729, 73.8231, 28.0030

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.



12.3810, 24.8317, 12.1060



33.2107, 24.8317, 81.6399



22.5312, 24.8317, 2.6935

Square

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



33.2107, 24.8317, 81.6399



38.5961, 24.8317, 9.2160



16.0520, 24.8317, 4.6130



13.1017, 24.8317, 59.6017

Rectangle

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



33.2107, 24.8317, 81.6399



42.2258, 24.8317, 31.7798



16.0520, 24.8317, 4.6130



11.4617, 24.8317, 22.7921

Sweetspot

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



33.2117, 24.8326, 81.6405



74.2099, 72.9101, 104.7695



44.7582, 54.6329, 86.7840



15.3235, 14.8843, 22.3153



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.



33.2117, 24.8326, 81.6405



33.5500, 22.2639, 97.1368



46.1314, 31.4929, 82.2451



14.5780, 14.7277, 18.9966



9.4059, 3.8848, 43.9971



0.8237, 0.3489, 3.4588

Inverse Universe

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



51.7632, 34.8415, 62.3888



58.5673, 35.7931, 69.7378



45.2172, 67.0411, 27.3873



15.5474, 15.2468, 18.1678



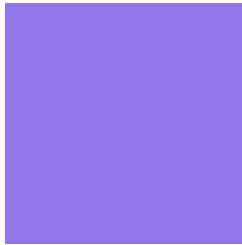
23.5510, 11.6231, 24.5009



1.8869, 0.9277, 2.1219

Previews

White Background



This preview shows how the XYZ color 33.2107, 24.8317, 81.6399 looks on a white background.

Color Contrast Check

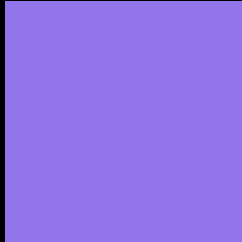
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2107, 24.8317, 81.6399 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 33.2107, 24.8317, 81.6399

Background



This preview shows how black text looks on a background with the XYZ color 33.2107, 24.8317, 81.6399.



This preview shows how white text looks on a background with the XYZ color 33.2107, 24.8317,

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

33.2107, 24.8317, 81.6399

Protanopia

28.7034, 25.2550, 93.8043

Deuteranopia

25.8972, 25.1922, 78.3606



Tritanopia

23.2657, 24.8589, 32.0058

Trichromacy



Original Color

33.2107, 24.8317, 81.6399

Protanomaly

29.5503, 24.5961, 89.5763

Deuteranomaly

27.5851, 24.3881, 79.5974

Tritanomaly

26.0524, 24.3289, 46.5029

Monochromacy



Original Color

33.2107, 24.8317, 81.6399

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.9116, 25.0394, 43.4591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2107, 24.8317, 81.6399 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(146, 117, 235)` looks like.

```
.text, #text, p{  
    color:rgb(146, 117, 235)  
}
```

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(146, 117, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 117, 235) }
```

Border

The CSS property to change the border of an element to XYZ 33.2107, 24.8317, 81.6399 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(146, 117, 235) }
```


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

```
.border{ border-color:rgb(146, 117, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 117, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 117, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 117, 235); box-shadow:4px 4px 4px 4px rgb(146, 117, 235) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2107, 24.8317, 81.6399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 117, 235) }
```

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

```
.background{ background-color: rgb(146,  
117, 235) }
```

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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