

Converting Colors

XYZ(34.8892, 24.2636, 83.9332)

Have a look what the booklet for
XYZ(34.8892, 24.2636, 83.9332)
contains.

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Color

**XYZ(34.8059, 24.2784,
83.7407)**

Conversions

Conversions Part 1

Format	Color
Hex	9D6DEE
RGB	157, 109, 238
RGB Percent	62%, 43%, 93%
CMY	0.3843, 0.5725, 0.0667
CMYK	0.34, 0.54, 0.00, 0.07
HSL	262°, 79%, 68%
HSV	262°, 54%, 93%
XYZ	34.8059, 24.2784, 83.7407
YIQ	138.0580, -12.8010, 50.2950

Conversions

Conversions Part 2

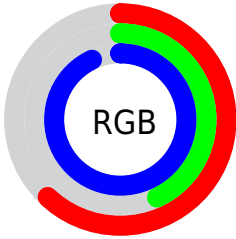
Format	Color
R _Y B	157, 109, 238
Decimal	10317294
CIE Lab	56.37, 45.80, -58.47
CIE LCh	56, 74.274, 308.070
Yxy	24.2784, 0.2437, 0.1700
Android (android.graphics.Color)	4288507374 (0xFF9D6DEE)
YUV	138.0580, 49.2714, 16.6121
Hunter-Lab	49.2731, 39.8622, -66.2734

Details

The XYZ color **34.8059, 24.2784, 83.7407** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **54.5701, 73.2007, 25.7216**, and the grayscale version is **24.0020, 25.2520, 27.4994**.

A 20% lighter version of the original color is **58.9947, 47.5077, 100.6683**, and **15.1600, 9.1735, 44.6877** is the 20% darker color. If you saturate the color by 10%, you get **29.8628, 18.4580, 82.8783**, and if you desaturate by 10%, it is **40.7949, 31.6587, 84.8501**.

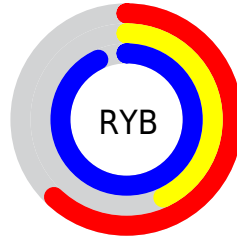
Distribution



Red (62%)

Green (43%)

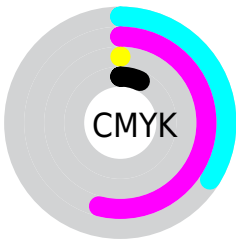
Blue (93%)



Red (62%)

Yellow (43%)

Blue (93%)

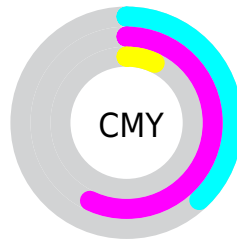


Cyan (34%)

Magenta (54%)

Yellow (0%)

Black (7%)



Cyan (38%)

Magenta (57%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8059, 24.2784, 83.7407 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 34.8059, 24.2784, 83.7407 by changing the saturation by 10% instead.

■ 34.8059, 24.2784,
83.7407

■ 34.8059, 24.2784,
83.7407

315.2338,
274.2250, 527.4873

■ 23.6792, 15.5403,
62.2572

■ 66.5210, 50.4841,
140.4709

■ 15.2193, 9.1994,
44.8034

■ 87.8401, 68.7205,
176.5547

■ 9.0607, 4.8715,
30.9608

■ 113.2873, 90.8918,
218.3423

■ 4.8382, 2.1721,
20.3108

■ 143.2281,
117.3823, 266.2524

■ 2.1864, 0.7047,
12.4348

178.0278,
148.5765, 320.7034

■ 0.7356, 0.0000,
6.9144

218.0518,

■ 0.0000, 0.0000,

184.8587, 382.1138

3.3310

263.6653,
226.6134, 450.9023

■ 0.0000, 0.0000,
1.2660

■ 0.0000, 0.0000,
0.0337

■ 34.8059, 24.2784,
83.7407

■ 34.8059, 24.2784,
83.7407

■ 29.8628, 18.4580,
82.8783

■ 40.7949, 31.6587,
84.8501

■ 25.8927, 14.0746,
82.2414

■ 47.8894, 40.7037,
86.2220

■ 22.8172, 10.9900,
81.8081

■ 56.1479, 51.5118,
87.8729

■ 20.5412, 9.0358,
81.5509

■ 65.6233, 64.1729,
89.8173

■ 19.5107, 8.2753,
81.4584

■ 76.3656, 78.7707,
92.0688

■ 88.4214, 95.3835,
94.6400

■ 92.4327, 98.9531,
95.1176

Harmonies

Analogous

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



25.4681, 24.2784, 106.1399



34.8059, 24.2784, 83.7407



41.9937, 24.2784, 48.2776

Triad

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



34.8059, 24.2784, 83.7407



29.7962, 24.2784, 2.3735



10.3003, 24.2784, 33.6314

Complementary

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



34.8059, 24.2784, 83.7407



54.5701, 73.2007, 25.7216

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.



10.9134, 24.2784, 12.4327



34.8059, 24.2784, 83.7407



20.8384, 24.2784, 1.8300

Square

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



34.8059, 24.2784, 83.7407



38.6381, 24.2784, 6.7027



14.3307, 24.2784, 3.9657



12.3792, 24.2784, 67.5385

Rectangle

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



34.8059, 24.2784, 83.7407



43.7826, 24.2784, 28.0574



14.3307, 24.2784, 3.9657



10.2107, 24.2784, 24.8765

Sweetspot

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



34.8069, 24.2793, 83.7413



74.5824, 72.1354, 104.6003



40.3053, 46.5558, 87.7513



15.4601, 14.7644, 22.2849



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.



34.8069, 24.2793, 83.7413



34.3922, 20.9788, 96.8444



50.6598, 32.4517, 84.4832



15.4529, 15.5152, 19.9019



11.0161, 4.6844, 45.4514



1.0229, 0.4446, 3.7861

Inverse Universe

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



50.0231, 32.8326, 52.4154



54.4949, 32.3111, 54.0055



41.9691, 66.7046, 25.1319



16.1903, 15.9258, 18.5583



22.7822, 11.3853, 17.3013



1.9432, 0.9663, 1.6918

Previews

White Background



This preview shows how the XYZ color 34.8059, 24.2784, 83.7407 looks on a white background.

Color Contrast Check

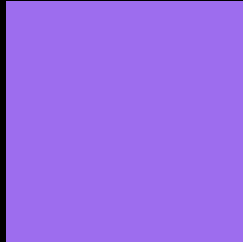
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8059, 24.2784, 83.7407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

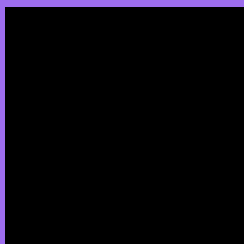
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.8059, 24.2784, 83.7407

Background



This preview shows how black text looks on a background with the XYZ color 34.8059, 24.2784, 83.7407.



This preview shows how white text looks on a background with the XYZ color 34.8059, 24.2784,

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

34.8059, 24.2784, 83.7407

Protanopia

28.4810, 24.6459, 97.8638

Deuteranopia

25.4356, 24.7096, 79.7728



Tritanopia

23.9028, 24.1919, 29.7953

Trichromacy



Original Color

34.8059, 24.2784, 83.7407

Protanomaly

29.4374, 23.7148, 92.6484

Deuteranomaly

27.2645, 23.6061, 80.9613

Tritanomaly

26.9206, 23.6494, 45.2654

Monochromacy



Original Color

34.8059, 24.2784, 83.7407

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.9064, 24.2545, 43.3079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8059, 24.2784, 83.7407 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(157, 109, 238)` looks like.

```
.text, #text, p{  
    color:rgb(157, 109, 238)  
}
```

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(157, 109, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 109, 238) }
```

Border

The CSS property to change the border of an element to XYZ 34.8059, 24.2784, 83.7407 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(157, 109, 238) }
```


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

```
.border{ border-color:rgb(157, 109, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 109, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 109, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 109, 238); box-shadow:4px 4px 4px 4px rgb(157, 109, 238) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8059, 24.2784, 83.7407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 109, 238) }
```

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

```
.background{ background-color: rgb(157,  
109, 238) }
```

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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