

# Converting Colors

XYZ(42.1757, 24.7764, 86.3489)

Have a look what the booklet for  
XYZ(42.1757, 24.7764, 86.3489)  
contains.

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# Color

**XYZ(42.3808, 24.9367,  
86.5840)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C556F2
RGB	197, 86, 242
RGB Percent	77%, 34%, 95%
CMY	0.2274, 0.6627, 0.0510
CMYK	0.19, 0.64, 0.00, 0.05
HSL	283°, 86%, 64%
HSV	283°, 64%, 95%
XYZ	42.3808, 24.9367, 86.5840
YIQ	136.9730, 16.0800, 72.0480

# Conversions

## Conversions Part 2

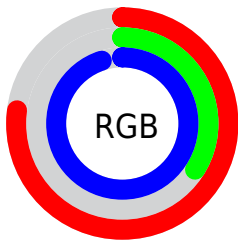
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 86, 242
Decimal	12932850
CIE <sub>Lab</sub>	57.01, 67.27, -59.41
CIE <sub>LCh</sub>	57, 89.747, 318.553
Yxy	24.9367, 0.2754, 0.1620
Android (android.graphics.Color)	4291122930 (0xFFC556F2)
YUV	136.9730, 51.7783, 52.6437
Hunter-Lab	49.9367, 64.1022, -67.8459

# Details

The XYZ color **42.3808, 24.9367, 86.5840** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **42.7925, 69.0020, 19.8682**, and the grayscale version is **23.5752, 24.8029, 27.0104**.

A 20% lighter version of the original color is **68.9630, 47.8260, 100.2043**, and **19.6913, 9.5656, 46.7074** is the 20% darker color. If you saturate the color by 10%, you get **38.9798, 20.7848, 85.9623**, and if you desaturate by 10%, it is **46.5223, 30.4417, 87.4287**.

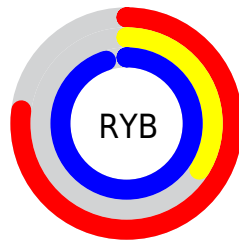
# Distribution



Red (77%)

Green (34%)

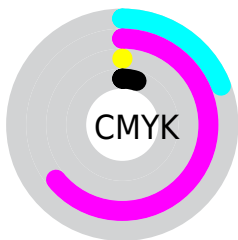
Blue (95%)



Red (77%)

Yellow (34%)

Blue (95%)

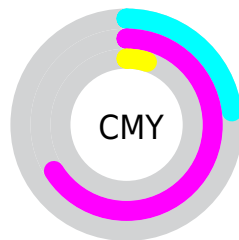


Cyan (19%)

Magenta (64%)

Yellow (0%)

Black (5%)



Cyan (23%)

Magenta (66%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3808, 24.9367, 86.5840 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 42.3808, 24.9367, 86.5840 by changing the saturation by 10% instead.





 42.3808, 24.9367,  
86.5840


 42.3808, 24.9367,  
86.5840

347.0239,  
277.5226, 537.1356


 29.5920, 16.0299,  
64.5933


 78.0372, 51.5545,  
144.4779


 19.6756, 9.5453,  
46.6822


 101.6355, 70.0343,  
181.2182

 12.2664, 5.0985,  
32.4319


 129.5676, 92.4739,  
223.7122

 6.9988, 2.3052,  
21.4241

 162.1990,  
119.2577, 272.3784

 3.5077, 0.7765,  
13.2401

199.8950,  
150.7701, 327.6352

 1.4276, 0.0000,  
7.4614

243.0209,

 0.2758, 0.0000,

187.3954, 389.9014

3.6695

291.9421,  
229.5181, 459.5953

■ 0.0000, 0.0000,  
1.4458

■ 0.0000, 0.0000,  
0.1771

■ 42.3808, 24.9367,  
86.5840

■ 42.3808, 24.9367,  
86.5840

■ 38.9798, 20.7848,  
85.9623

■ 46.5223, 30.4417,  
87.4287

■ 36.2459, 17.8442,  
85.5388


■ 51.4618, 37.4165,  
88.5146


■ 34.0945, 15.9463,  
85.2858


■ 57.2541, 45.9680,  
89.8600


■ 33.0831, 15.2035,  
85.1958

■ 63.9482, 56.1925,  
91.4807

 71.5890, 68.1785,  
93.3915

 80.2184, 82.0080,  
95.6060

 89.7465, 97.4996,  
98.0940

 92.2396, 98.7849,  
98.2107

 93.0271, 99.1908,  
98.2476

# Harmonies

## Analogous

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



30.7564, 24.9367, 127.7975



42.3808, 24.9367, 86.5840



49.6473, 24.9367, 40.3844

# Triad

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



42.3808, 24.9367, 86.5840



27.9578, 24.9367, 0.7227



9.2071, 24.9367, 50.1373

# Complementary

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



42.3808, 24.9367, 86.5840



42.7925, 69.0020, 19.8682

# 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.



8.8651, 24.9367, 17.1805



42.3808, 24.9367, 86.5840



17.8176, 24.9367, 0.9240

# Square

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



42.3808, 24.9367, 86.5840



39.8164, 24.9367, 2.7408



11.5200, 24.9367, 3.9989



12.6539, 24.9367, 98.0848



# Rectangle

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



42.3808, 24.9367, 86.5840



49.9390, 24.9367, 19.3986



11.5200, 24.9367, 3.9989



8.7731, 24.9367, 36.7365

# Sweetspot

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



42.3819, 24.9377, 86.5846



76.5379, 70.3330, 104.1494



28.2258, 25.1106, 87.3640



15.8609, 14.2384, 22.1623



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.



42.3819, 24.9377, 86.5846



42.9803, 22.3671, 96.6597



51.6792, 30.2267, 64.6080



15.9842, 15.7891, 19.9267



17.9142, 8.2405, 45.7743



1.5881, 0.7360, 3.8126



# Inverse Universe

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



44.0431, 27.1723, 24.3968



45.8971, 25.5965, 18.8282



38.8133, 66.7724, 27.7350



15.9603, 15.8338, 17.3471



20.3132, 10.3977, 4.2997

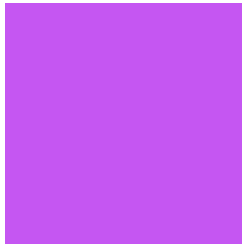


1.7314, 0.8816, 0.5763



# Previews

## White Background



This preview shows how the XYZ color 42.3808, 24.9367, 86.5840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

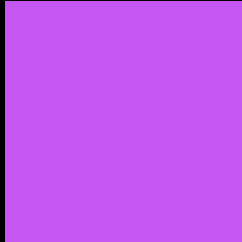
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.3808, 24.9367, 86.5840 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 42.3808, 24.9367, 86.5840**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.3808, 24.9367, 86.5840.



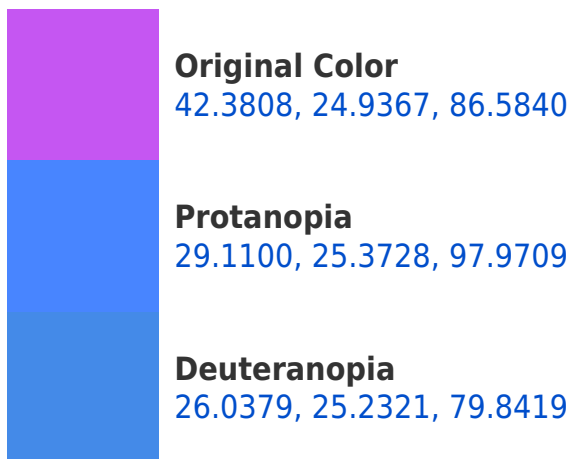
This preview shows how white text looks on a background with the XYZ color 42.3808, 24.9367,



# 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

29.5013, 24.7212, 23.9857

# Trichromacy



## Original Color

42.3808, 24.9367, 86.5840



## Protanomaly

30.8368, 23.1748, 93.2904



## Deuteranomaly

28.8074, 22.8946, 82.2577



## Tritanomaly

32.8680, 24.0665, 40.9432

# Monochromacy



## Original Color

42.3808, 24.9367, 86.5840



## Achromatopsia

23.7775, 25.0158, 27.2422



## Achromatomaly

28.5144, 23.4229, 43.5756

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.3808, 24.9367, 86.5840 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(197, 86, 242)` looks like.

```
.text, #text, p{  
    color:rgb(197, 86, 242)  
}
```

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(197, 86, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 86, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 42.3808, 24.9367, 86.5840 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(197, 86, 242) }
```



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

```
.border{ border-color:rgb(197, 86, 242) }
```

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

Here you see how a box with a 4 pixel rgb(197, 86, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 86, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 86, 242);  
box-shadow:4px 4px 4px 4px rgb(197, 86,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.3808, 24.9367, 86.5840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 86, 242) }
```

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

```
.background{ background-color: rgb(197, 86,  
242) }
```

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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