

# Converting Colors

XYZ(34.5325, 22.9298, 48.5036)

Have a look what the booklet for  
XYZ(34.5325, 22.9298, 48.5036)  
contains.

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# Color

**XYZ(34.5874, 22.8937,  
48.4949)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C05FB9
RGB	192, 95, 185
RGB Percent	75%, 37%, 73%
CMY	0.2471, 0.6274, 0.2745
CMYK	0.00, 0.51, 0.04, 0.25
HSL	304°, 43%, 56%
HSV	304°, 51%, 75%
XYZ	34.5874, 22.8937, 48.4949
YIQ	134.2630, 28.9220, 48.5540

# Conversions

## Conversions Part 2

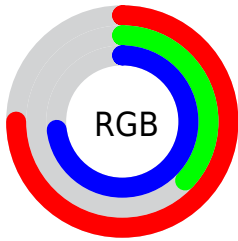
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 95, 185
Decimal	12607417
CIE <sub>Lab</sub>	54.96, 51.09, -30.39
CIE <sub>LCh</sub>	55, 59.448, 329.260
Yxy	22.8937, 0.3264, 0.2160
Android (android.graphics.Color)	4290797497 (0xFFC05FB9)
YUV	134.2630, 25.0133, 50.6353
Hunter-Lab	47.8474, 45.2993, -26.5992

# Details

The XYZ color **34.5874, 22.8937, 48.4949** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **25.9683, 41.0923, 19.1348**, and the grayscale version is **22.6609, 23.8411, 25.9629**.

A 20% lighter version of the original color is **66.0490, 48.1698, 89.0356**, and **15.1111, 8.4861, 22.6713** is the 20% darker color. If you saturate the color by 10%, you get **32.9209, 19.7932, 47.2213**, and if you desaturate by 10%, it is **36.6830, 26.8492, 49.9190**.

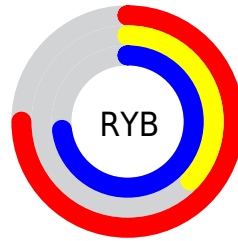
# Distribution



Red (75%)

Green (37%)

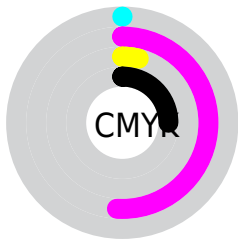
Blue (73%)



Red (75%)

Yellow (37%)

Blue (73%)

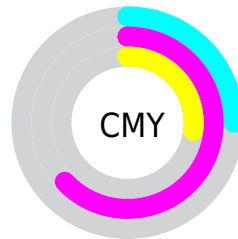


Cyan (0%)

Magenta (51%)

Yellow (4%)

Black (25%)



Cyan (25%)

Magenta (63%)


Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5874, 22.8937, 48.4949 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 34.5874, 22.8937, 48.4949 by changing the saturation by 10% instead.



 34.5874, 22.8937,  
48.4949

 34.5874, 22.8937,  
48.4949


314.2834,  
267.1785, 397.3156


 23.5102, 14.5150,  
33.8562


 66.1843, 48.2187,  
89.3140


 15.0935, 8.4797,  
22.5067


 87.4348, 65.9339,  
116.3315

 8.9718, 4.4034,  
14.0278

 112.8071, 87.5300,  
148.3123

 4.7797, 1.9017,  
8.0010

 142.6666,  
113.3914, 185.6751

 2.1520, 0.5494,  
4.0078

177.3786,  
143.9026, 228.8382

 0.7173, 0.0000,  
1.6296

217.3085,

 0.0000, 0.0000,

179.4479, 278.2203

0.3118

262.8217,  
220.4118, 334.2399

■ 0.0000, 0.0000,  
0.0000

■ 34.5874, 22.8937,  
48.4949

■ 34.5874, 22.8937,  
48.4949

■ 32.9209, 19.7932,  
47.2213

■ 36.6830, 26.8492,  
49.9190

■ 31.6494, 17.4808,  
46.0862

■ 39.2342, 31.7139,  
51.5017

■ 30.7372, 15.8848,  
45.0779

■ 42.2677, 37.5411,  
53.2523

■ 30.1412, 14.9191,  
44.1819

■ 45.8078, 44.3792,  
55.1789

■ 29.7888, 14.4267,  
43.4098

■ 49.8771, 52.2733,  
57.2890

■ 54.4967, 61.2658,  
59.5897

■ 59.6867, 71.3967,  
62.0876

■ 65.4661, 82.7041,  
64.7892

■ 67.6308, 86.7795,  
66.2930

# Harmonies

## Analogous

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



28.5686, 22.8937, 71.9629



34.5874, 22.8937, 48.4949



37.0711, 22.8937, 25.3999

# Triad

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



34.5874, 22.8937, 48.4949



21.9242, 22.8937, 3.3881



12.4619, 22.8937, 47.2384

# Complementary

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



34.5874, 22.8937, 48.4949



25.9683, 41.0923, 19.1348

# 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.



11.3792, 22.8937, 24.4607



34.5874, 22.8937, 48.4949



16.1291, 22.8937, 4.7663

# Square

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



34.5874, 22.8937, 48.4949



28.9105, 22.8937, 4.9239



12.5753, 22.8937, 10.5853



15.8976, 22.8937, 71.0150



# Rectangle

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



34.5874, 22.8937, 48.4949



36.0690, 22.8937, 14.7604



12.5753, 22.8937, 10.5853



11.8457, 22.8937, 38.9360

# Sweetspot

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



34.5882, 22.8947, 48.4954



79.8544, 74.3277, 98.2911



19.0270, 14.7851, 51.7208



16.8424, 15.3877, 20.9287



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.5882, 22.8947, 48.4954



59.2708, 35.1663, 85.2462



30.3492, 21.1991, 26.1730



10.4649, 10.2346, 12.5387



20.0567, 9.7124, 29.2745



0.8761, 0.4235, 1.3152



# Inverse Universe

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



34.5882, 22.8947, 48.4954



59.2708, 35.1663, 85.2462



29.0723, 42.3339, 35.4803



10.4649, 10.2346, 12.5387



20.0567, 9.7124, 29.2745

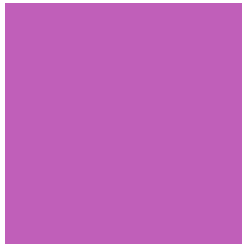


0.8761, 0.4235, 1.3152



# Previews

## White Background



This preview shows how the XYZ color 34.5874, 22.8937, 48.4949 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

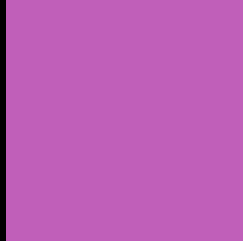
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.5874, 22.8937, 48.4949 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

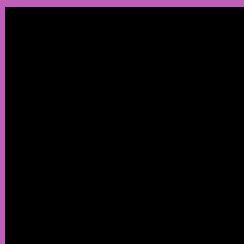
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 34.5874, 22.8937, 48.4949**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.5874, 22.8937, 48.4949.



This preview shows how white text looks on a background with the XYZ color 34.5874, 22.8937,



# 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

34.5874, 22.8937, 48.4949

### Protanopia

25.0061, 23.1573, 66.1026

### Deuteranopia

23.5905, 23.0715, 45.8577



## Tritanopia

28.7814, 22.8911, 20.3542

# Trichromacy



## Original Color

34.5874, 22.8937, 48.4949

## Protanomaly

26.8136, 22.0209, 59.3371

## Deuteranomaly

26.3788, 22.0785, 46.5873

## Tritanomaly

30.5030, 22.6511, 28.7510

# Monochromacy



## Original Color

34.5874, 22.8937, 48.4949

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

25.9838, 22.7014, 33.1493

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.5874, 22.8937, 48.4949 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(192, 95, 185)` looks like.

```
.text, #text, p{  
    color:rgb(192, 95, 185)  
}
```

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(192, 95, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 95, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 34.5874, 22.8937, 48.4949 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(192, 95, 185) }
```



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

```
.border{ border-color:rgb(192, 95, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 95, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 95, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 95, 185);  
box-shadow:4px 4px 4px 4px rgb(192, 95,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.5874, 22.8937, 48.4949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 95, 185) }
```

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

```
.background{ background-color: rgb(192, 95,  
185) }
```

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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