

# Converting Colors

XYZ(34.0489, 22.2351, 42.0324)

Have a look what the booklet for  
XYZ(34.0489, 22.2351, 42.0324)  
contains.

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# Color

**XYZ(34.0489, 22.2351,  
42.0324)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C45BAD
RGB	196, 91, 173
RGB Percent	77%, 36%, 68%
CMY	0.2314, 0.6431, 0.3216
CMYK	0.00, 0.54, 0.12, 0.23
HSL	313°, 47%, 56%
HSV	313°, 54%, 77%
XYZ	34.0489, 22.2351, 42.0324
YIQ	131.7430, 36.2580, 47.7620

# Conversions

## Conversions Part 2

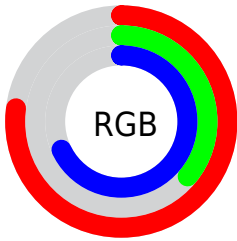
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 91, 173
Decimal	12868525
CIE <sub>Lab</sub>	54.28, 52.19, -24.46
CIE <sub>LCh</sub>	54, 57.642, 334.890
Yxy	22.2351, 0.3463, 0.2262
Android (android.graphics.Color)	4291058605 (0xFFC45BAD)
YUV	131.7430, 20.3397, 56.3534
Hunter-Lab	47.1541, 46.3711, -19.8423

# Details

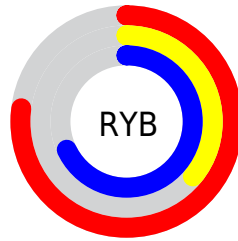
The XYZ color **34.0489, 22.2351, 42.0324** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **27.0927, 42.9197, 22.7777**, and the grayscale version is **21.7605, 22.8937, 24.9313**.

A 20% lighter version of the original color is **65.5083, 47.1679, 79.7804**, and **14.8363, 8.1933, 18.5688** is the 20% darker color. If you saturate the color by 10%, you get **32.1782, 19.1477, 39.3919**, and if you desaturate by 10%, it is **36.3719, 26.2050, 44.8899**.

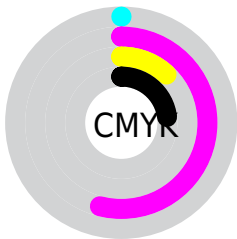
# Distribution



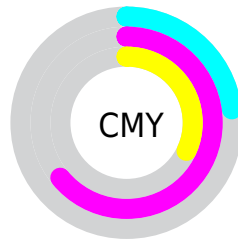
- Red (77%)
- Green (36%)
- Blue (68%)



- Red (77%)
- Yellow (36%)
- Blue (68%)



- Cyan (0%)
- Magenta (54%)
- Yellow (12%)
- Black (23%)




- Cyan (23%)
- Magenta (64%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0489, 22.2351, 42.0324 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 34.0489, 22.2351, 42.0324 by changing the saturation by 10% instead.




 34.0489, 22.2351,  
42.0324


 34.0489, 22.2351,  
42.0324


311.9321,  
263.7716, 370.4209


 23.0942, 14.0297,  
28.8009


 65.3535, 47.1343,  
79.5193


 14.7842, 8.1414,  
18.6860


 86.4341, 64.5969,  
104.6117

 8.7534, 4.1855,  
11.2691


 111.6208, 85.9140,  
134.4949

 4.6365, 1.7779,  
6.1317

 141.2789,  
111.4701, 169.5874

 2.0681, 0.4733,  
2.8552

175.7737,  
141.6495, 210.3077

 0.6718, 0.0000,  
1.0212

215.4706,

 0.0000, 0.0000,

176.8366, 257.0743

0.0000

260.7349,  
217.4158, 310.3059

■ 34.0489, 22.2351,  
42.0324

■ 34.0489, 22.2351,  
42.0324

■ 32.1782, 19.1477,  
39.3919

■ 36.3719, 26.2050,  
44.8899

■ 30.7227, 16.8698,  
36.9549

■ 39.1762, 31.1163,  
47.9742

■ 29.6429, 15.3223,  
34.7078

■ 42.4909, 37.0268,  
51.2957

■ 28.8902, 14.4082,  
32.6337

■ 46.3422, 43.9884,  
54.8637

■ 28.5203, 14.0379,  
31.3715

■ 50.7544, 52.0498,  
58.6869

■ 55.7503, 61.2562,  
62.7735

■ 61.3515, 71.6506,  
67.1312

■ 67.5783, 83.2737,  
71.7674

■ 70.3639, 87.9914,  
75.3270

# Harmonies

## Analogous

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



28.8133, 22.2351, 65.0504



34.0489, 22.2351, 42.0324



35.5779, 22.2351, 21.3828

# Triad

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



34.0489, 22.2351, 42.0324



20.1220, 22.2351, 3.5234



12.7019, 22.2351, 49.8404

# Complementary

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



34.0489, 22.2351, 42.0324



27.0927, 42.9197, 22.7777

# 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.



11.2480, 22.2351, 27.2765



34.0489, 22.2351, 42.0324



14.9566, 22.2351, 5.4893

# Square

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



34.0489, 22.2351, 42.0324



26.6782, 22.2351, 4.4654



11.9835, 22.2351, 12.3084



16.4163, 22.2351, 70.9103



# Rectangle

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



34.0489, 22.2351, 42.0324



34.0759, 22.2351, 12.3853



11.9835, 22.2351, 12.3084



11.9701, 22.2351, 41.8586

# Sweetspot

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



34.0496, 22.2361, 42.0328



81.9813, 76.1121, 97.6092



20.6130, 15.0296, 54.0397



17.2295, 15.7157, 20.6005



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.



34.0496, 22.2361, 42.0328



57.8689, 34.0073, 70.7041



29.9429, 20.5935, 20.4070



10.3998, 10.2085, 12.1958



18.3585, 9.0332, 20.3317



0.8172, 0.3999, 1.0049



# Inverse Universe

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



34.0496, 22.2361, 42.0328



57.8689, 34.0073, 70.7041



30.9612, 44.4671, 43.1490



10.3998, 10.2085, 12.1958



18.3585, 9.0332, 20.3317



0.8172, 0.3999, 1.0049



# Previews

## White Background



This preview shows how the XYZ color 34.0489, 22.2351, 42.0324 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

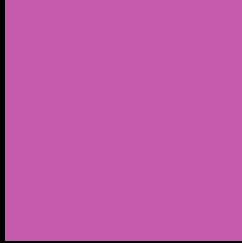
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.0489, 22.2351, 42.0324 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

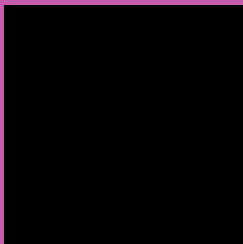
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 34.0489, 22.2351, 42.0324**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.0489, 22.2351, 42.0324.



This preview shows how white text looks on a background with the XYZ color 34.0489, 22.2351,



# 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

34.0489, 22.2351, 42.0324

### Protanopia

23.9734, 22.5862, 58.9732

### Deuteranopia

23.0064, 22.5134, 39.6922



## Tritanopia

29.2674, 22.2426, 18.3735

# Trichromacy



## Original Color

34.0489, 22.2351, 42.0324



## Protanomaly

25.8512, 21.3414, 52.0470



## Deuteranomaly

25.8698, 21.6101, 40.3438



## Tritanomaly

30.6686, 22.0701, 25.5652

# Monochromacy



## Original Color

34.0489, 22.2351, 42.0324



## Achromatopsia

21.9318, 23.0740, 25.1276



## Achromatomaly

25.1453, 21.7977, 30.4858

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.0489, 22.2351, 42.0324 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(196, 91, 173)` looks like.

```
.text, #text, p{  
    color:rgb(196, 91, 173)  
}
```

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(196, 91, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 91, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 34.0489, 22.2351, 42.0324 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(196, 91, 173) }
```



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

```
.border{ border-color:rgb(196, 91, 173) }
```

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

Here you see how a box with a 4 pixel rgb(196, 91, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 91, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 91, 173);  
box-shadow:4px 4px 4px 4px rgb(196, 91,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.0489, 22.2351, 42.0324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 91, 173) }
```

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

```
.background{ background-color: rgb(196, 91,  
173) }
```

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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