

# Converting Colors

XYZ(35.1525, 22.0407, 41.5343)

Have a look what the booklet for  
XYZ(35.1525, 22.0407, 41.5343)  
contains.

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# Color

**XYZ(35.0520, 22.0321,  
41.4349)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CA55AC
RGB	202, 85, 172
RGB Percent	79%, 33%, 67%
CMY	0.2078, 0.6666, 0.3255
CMYK	0.00, 0.58, 0.15, 0.21
HSL	315°, 52%, 56%
HSV	315°, 58%, 79%
XYZ	35.0520, 22.0321, 41.4349
YIQ	129.9010, 41.8050, 51.8610

# Conversions

## Conversions Part 2

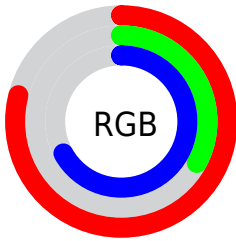
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 85, 172
Decimal	13260204
CIE <sub>Lab</sub>	54.06, 56.57, -24.14
CIE <sub>LCh</sub>	54, 61.507, 336.894
Yxy	22.0321, 0.3558, 0.2236
Android (android.graphics.Color)	4291450284 (0xFFCA55AC)
YUV	129.9010, 20.7548, 63.2308
Hunter-Lab	46.9384, 51.1557, -19.4815

# Details

The XYZ color **35.0520, 22.0321, 41.4349** 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 **27.9624, 45.4109, 23.5129**, and the grayscale version is **21.1027, 22.2016, 24.1776**.

A 20% lighter version of the original color is **64.6217, 45.6176, 78.7979**, and **15.3545, 8.0469, 18.1967** is the 20% darker color. If you saturate the color by 10%, you get **33.1950, 19.0984, 38.4092**, and if you desaturate by 10%, it is **37.3837, 25.8833, 44.7149**.

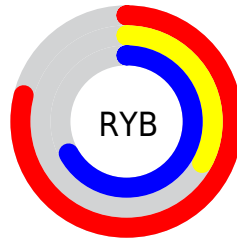
# Distribution



Red (79%)

Green (33%)

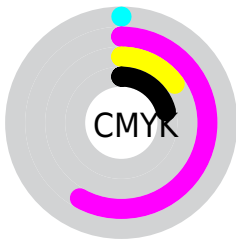
Blue (67%)



Red (79%)

Yellow (33%)

Blue (67%)

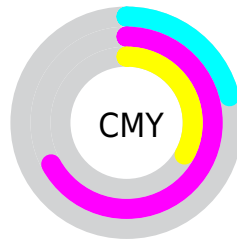


Cyan (0%)

Magenta (58%)

Yellow (15%)

Black (21%)



Cyan (21%)

Magenta (67%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0520, 22.0321, 41.4349 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 35.0520, 22.0321, 41.4349 by changing the saturation by 10% instead.





 35.0520, 22.0321,  
41.4349


 35.0520, 22.0321,  
41.4349


316.3018,  
262.7139, 367.8653

 23.8696, 13.8805,  
28.3368


 66.8998, 46.7990,  
78.6045

 15.3612, 8.0376,  
18.3385


 88.2960, 64.1832,  
103.5130

 9.1612, 4.1190,  
11.0213


 113.8274, 85.4136,  
133.1955

 4.9044, 1.7404,  
5.9668

 143.8595,  
110.8747, 168.0704

 2.2255, 0.4496,  
2.7564

178.7577,  
140.9509, 208.5563

 0.7561, 0.0000,  
0.9717

218.8872,

 0.0000, 0.0000,

176.0265, 255.0717

0.0000

264.6135,  
216.4861, 308.0352

■ 35.0520, 22.0321,  
41.4349

■ 35.0520, 22.0321,  
41.4349

■ 33.1950, 19.0984,  
38.4092

■ 37.3837, 25.8833,  
44.7149

■ 31.7704, 16.9994,  
35.6221

■ 40.2232, 30.7192,  
48.2607

■ 30.7323, 15.6427,  
33.0572

■ 43.6031, 36.6042,  
52.0845

■ 30.0118, 14.8915,  
30.6907

■ 47.5527, 43.5964,  
56.1969

■ 29.8787, 14.7652,  
30.2151

■ 52.0990, 51.7497,  
60.6080

■ 57.2672, 61.1143,  
65.3273

■ 63.0814, 71.7375,  
70.3636

■ 69.5639, 83.6641,  
75.7255

■ 72.8533, 89.1710,  
80.1267

# Harmonies

## Analogous

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



29.5998, 22.0321, 66.8498



35.0520, 22.0321, 41.4349



36.3852, 22.0321, 19.8541

# Triad

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



35.0520, 22.0321, 41.4349



19.4423, 22.0321, 2.9008



12.2842, 22.0321, 53.3980

# Complementary

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



35.0520, 22.0321, 41.4349



27.9624, 45.4109, 23.5129

# 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.



10.6335, 22.0321, 28.6619



35.0520, 22.0321, 41.4349



14.1604, 22.0321, 4.9969

# Square

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



35.0520, 22.0321, 41.4349



26.3742, 22.0321, 3.6052



11.2391, 22.0321, 12.2907



16.3102, 22.0321, 75.9436



# Rectangle

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



35.0520, 22.0321, 41.4349



34.5506, 22.0321, 10.9381



11.2391, 22.0321, 12.2907



11.4768, 22.0321, 44.6758

# Sweetspot

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



35.0527, 22.0332, 41.4353



81.0076, 74.6968, 95.6440



20.8823, 14.3567, 57.5480



17.0272, 15.4328, 20.1581



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.



35.0527, 22.0332, 41.4353



55.3960, 31.1128, 63.5557



30.6581, 20.2753, 18.2933



11.5599, 11.3527, 13.4830



19.2642, 9.5163, 19.6418



1.0235, 0.5028, 1.1696



# Inverse Universe

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



35.0527, 22.0332, 41.4353



55.3960, 31.1128, 63.5557



32.3864, 47.1805, 46.8093



11.5599, 11.3527, 13.4830



19.2642, 9.5163, 19.6418



1.0235, 0.5028, 1.1696



# Previews

## White Background



This preview shows how the XYZ color 35.0520, 22.0321, 41.4349 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

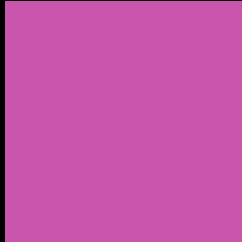
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.0520, 22.0321, 41.4349 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

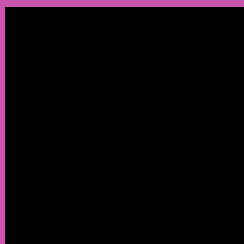
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.0520, 22.0321, 41.4349**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0520, 22.0321, 41.4349.



This preview shows how white text looks on a background with the XYZ color 35.0520, 22.0321,



# 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

35.0520, 22.0321, 41.4349

### Protanopia

23.8643, 22.2958, 60.8033

### Deuteranopia

22.6931, 22.1804, 38.6825



## Tritanopia

29.8661, 21.9922, 16.8582

# Trichromacy



## Original Color

35.0520, 22.0321, 41.4349

## Protanomaly

25.7363, 20.7570, 53.1021

## Deuteranomaly

25.8109, 21.0909, 39.7564

## Tritanomaly

31.4776, 21.8289, 24.0271

# Monochromacy



## Original Color

35.0520, 22.0321, 41.4349

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

24.8384, 21.1469, 29.5607

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0520, 22.0321, 41.4349 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(202, 85, 172)` looks like.

```
.text, #text, p{  
    color:rgb(202, 85, 172)  
}
```

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(202, 85, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 85, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0520, 22.0321, 41.4349 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(202, 85, 172) }
```



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

```
.border{ border-color:rgb(202, 85, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 85, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 85, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 85, 172);  
box-shadow:4px 4px 4px 4px rgb(202, 85,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0520, 22.0321, 41.4349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 85, 172) }
```

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

```
.background{ background-color: rgb(202, 85,  
172) }
```

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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