

Converting Colors

XYZ(33.9348, 21.4174, 36.3089)

Have a look what the booklet for
XYZ(33.9348, 21.4174, 36.3089)
contains.

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Color

**XYZ(34.0490, 21.5058,
36.5389)**

Conversions

Conversions Part 1

Format	Color
Hex	CA54A2
RGB	202, 84, 162
RGB Percent	79%, 33%, 64%
CMY	0.2078, 0.6706, 0.3647
CMYK	0.00, 0.58, 0.20, 0.21
HSL	320°, 53%, 56%
HSV	320°, 58%, 79%
XYZ	34.0490, 21.5058, 36.5389
YIQ	128.1740, 45.2900, 49.2740

Conversions

Conversions Part 2

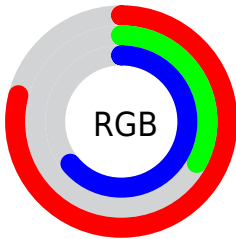
Format	Color
R _{YB}	202, 84, 162
Decimal	13259938
CIE Lab	53.50, 55.54, -19.16
CIE LCh	53, 58.754, 340.970
Yxy	21.5058, 0.3697, 0.2335
Android (android.graphics.Color)	4291450018 (0xFFCA54A2)
YUV	128.1740, 16.6762, 64.7454
Hunter-Lab	46.3743, 49.9033, -14.2533

Details

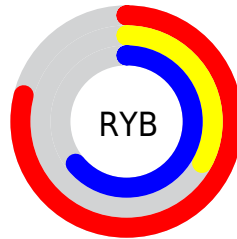
The XYZ color **34.0490, 21.5058, 36.5389** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **28.4158, 45.5818, 26.3712**, and the grayscale version is **20.5119, 21.5801, 23.5008**.

A 20% lighter version of the original color is **62.9970, 44.7350, 70.9601**, and **14.8182, 7.7988, 15.4762** is the 20% darker color. If you saturate the color by 10%, you get **32.1090, 18.5733, 32.9703**, and if you desaturate by 10%, it is **36.4755, 25.3577, 40.4336**.

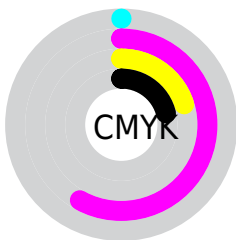
Distribution



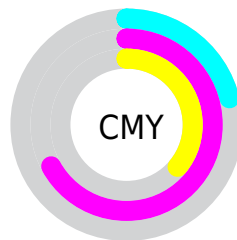
- Red (79%)
- Green (33%)
- Blue (64%)



- Red (79%)
- Yellow (33%)
- Blue (64%)



- Cyan (0%)
- Magenta (58%)
- Yellow (20%)
- Black (21%)





- Cyan (21%)
- Magenta (67%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0490, 21.5058, 36.5389 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 34.0490, 21.5058, 36.5389 by changing the saturation by 10% instead.

 34.0490, 21.5058,
36.5389


 34.0490, 21.5058,
36.5389


311.9326,
259.9545, 346.4183


 23.0943, 13.4942,
24.5577


 65.3536, 45.9278,
71.0414


 14.7842, 7.7697,
15.5318


 86.4343, 63.1071,
94.3998

 8.7534, 3.9480,
9.0427


 111.6210, 84.1110,
122.3877

 4.6365, 1.6445,
4.6719

 141.2791,
109.3239, 155.4236

 2.0682, 0.3873,
2.0007

175.7740,
139.1304, 193.9261

 0.6718, 0.0000,
0.5557

215.4709,

 0.0000, 0.0000,

173.9147, 238.3137

0.0000

260.7353,
214.0613, 289.0049

■ 34.0490, 21.5058,
36.5389

■ 34.0490, 21.5058,
36.5389

■ 32.1090, 18.5733,
32.9703

■ 36.4755, 25.3577,
40.4336

■ 30.6128, 16.4766,
29.7105

■ 39.4223, 30.1965,
44.6676

■ 29.5136, 15.1224,
26.7414

■ 42.9224, 36.0872,
49.2545

■ 28.7378, 14.3645,
24.0358

■ 47.0053, 43.0882,
54.2067

■ 28.6271, 14.2646,
23.6246

■ 51.6986, 51.2536,
59.5357

■ 57.0278, 60.6340,
65.2523

■ 63.0172, 71.2769,
71.3668

■ 69.6895, 83.2274,
77.8891

■ 73.5217, 89.4384,
83.6469

Harmonies

Analogous

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



29.3840, 21.5058, 60.2413



34.0490, 21.5058, 36.5389



34.6676, 21.5058, 17.4541

Triad

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



34.0490, 21.5058, 36.5389



18.2363, 21.5058, 3.2665



12.6378, 21.5058, 54.0394

Complementary

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



34.0490, 21.5058, 36.5389



28.4158, 45.5818, 26.3712

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.



10.7607, 21.5058, 30.6015



34.0490, 21.5058, 36.5389



13.5254, 21.5058, 5.8488

Square

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



34.0490, 21.5058, 36.5389



24.6184, 21.5058, 3.6153



11.0485, 21.5058, 13.8848



16.7644, 21.5058, 73.4050

Rectangle

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



34.0490, 21.5058, 36.5389



32.5848, 21.5058, 9.7873



11.0485, 21.5058, 13.8848



11.7651, 21.5058, 45.9898

Sweetspot

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



34.0497, 21.5069, 36.5393



79.7101, 73.1681, 91.9242



22.0483, 14.8418, 57.5801



16.6011, 14.8675, 19.1315



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.



34.0497, 21.5069, 36.5393



53.6516, 30.4151, 54.3702



30.0101, 19.8910, 15.2671



11.5196, 11.3366, 13.2710



18.4642, 9.1962, 15.4288



0.9871, 0.4883, 0.9780

Inverse Universe

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



34.0497, 21.5069, 36.5393



53.6516, 30.4151, 54.3702



33.2555, 47.5176, 51.8566



11.5196, 11.3366, 13.2710



18.4642, 9.1962, 15.4288



0.9871, 0.4883, 0.9780

Previews

White Background



This preview shows how the XYZ color 34.0490, 21.5058, 36.5389 looks on a white background.

Color Contrast Check

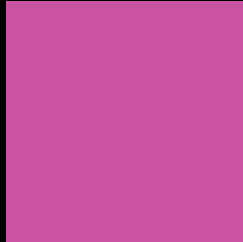
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.0490, 21.5058, 36.5389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

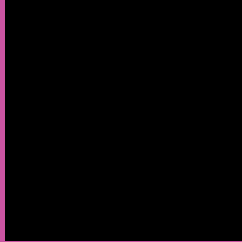
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.0490, 21.5058, 36.5389

Background



This preview shows how black text looks on a background with the XYZ color 34.0490, 21.5058, 36.5389.



This preview shows how white text looks on a background with the XYZ color 34.0490, 21.5058,

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

34.0490, 21.5058, 36.5389

Protanopia

23.0242, 21.8200, 54.0371

Deuteranopia

22.1296, 21.8003, 34.0519



Tritanopia

29.9434, 21.6256, 15.9606

Trichromacy



Original Color

34.0490, 21.5058, 36.5389

Protanomaly

24.9432, 20.3217, 46.8638

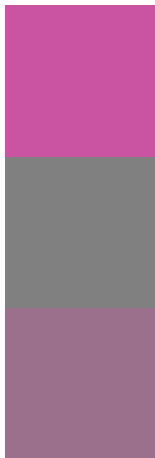
Deuteranomaly

25.1824, 20.7075, 35.0174

Tritanomaly

31.2334, 21.4772, 22.2380

Monochromacy



Original Color

34.0490, 21.5058, 36.5389

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

24.0454, 20.4504, 27.4909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0490, 21.5058, 36.5389 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, 84, 162)` looks like.

```
.text, #text, p{  
    color:rgb(202, 84, 162)  
}
```

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, 84, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 84, 162) }
```

Border

The CSS property to change the border of an element to XYZ 34.0490, 21.5058, 36.5389 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, 84, 162) }
```


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

```
.border{ border-color:rgb(202, 84, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 84, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 84, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 84, 162);  
box-shadow:4px 4px 4px 4px rgb(202, 84,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0490, 21.5058, 36.5389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 84, 162) }
```

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

```
.background{ background-color: rgb(202, 84,  
162) }
```

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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