

# Converting Colors

XYZ(34.4869, 17.5156, 55.5938)

Have a look what the booklet for  
XYZ(34.4869, 17.5156, 55.5938)  
contains.

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# Color

**XYZ(34.4929, 17.5274,  
55.5980)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C724C7
RGB	199, 36, 199
RGB Percent	78%, 14%, 78%
CMY	0.2196, 0.8588, 0.2196
CMYK	0.00, 0.82, 0.00, 0.22
HSL	300°, 69%, 46%
HSV	300°, 82%, 78%
XYZ	34.4929, 17.5274, 55.5980
YIQ	103.3190, 44.8250, 85.2490

# Conversions

## Conversions Part 2

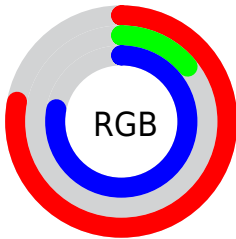
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	199, 36, 199
Decimal	13051079
CIE Lab	48.92, 76.82, -47.93
CIE LCh	49, 90.550, 328.041
Yxy	17.5274, 0.3205, 0.1629
Android (android.graphics.Color)	4291241159 (0xFFC724C7)
YUV	103.3190, 47.1707, 83.9122
Hunter-Lab	41.8657, 73.7999, -49.4315

# Details

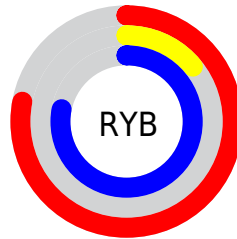
The XYZ color **34.4929, 17.5274, 55.5980** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted magenta. A complement of this color would be **21.4703, 41.3502, 8.5197**, and the grayscale version is **12.8487, 13.5179, 14.7210**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **16.0185, 7.6763, 27.0230** is the 20% darker color. If you saturate the color by 10%, you get **34.0493, 16.6397, 55.4502**, and if you desaturate by 10%, it is **35.2723, 19.0855, 55.8580**.

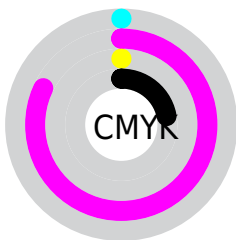
# Distribution



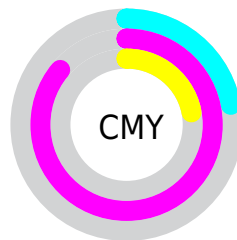
- Red (78%)
- Green (14%)
- Blue (78%)



- Red (78%)
- Yellow (14%)
- Blue (78%)



- Cyan (0%)
- Magenta (82%)
- Yellow (0%)
- Black (22%)




- Cyan (22%)
- Magenta (86%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4929, 17.5274, 55.5980 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 34.4929, 17.5274, 55.5980 by changing the saturation by 10% instead.





 34.4929, 17.5274,  
55.5980


 34.4929, 17.5274,  
55.5980


313.8717,  
238.1936, 425.5204

 23.4372, 10.6112,  
39.4789


 66.0387, 39.2304,  
99.8965


 15.0391, 5.8061,  
26.8218


 87.2594, 54.7859,  
128.9129

 8.9333, 2.7275,  
17.2082


 112.5992, 73.9901,  
163.0656

 4.7545, 0.9912,  
10.2195

 142.4235, 97.2272,  
202.7729

 2.1372, 0.0000,  
5.4372

 177.0975,  
124.8818, 248.4535

 0.7093, 0.0000,  
2.4428

 216.9866,

 0.0000, 0.0000,

157.3381, 300.5260

0.8096

262.4562,  
194.9805, 359.4088

■ 0.0000, 0.0000,  
0.0000

■ 34.4929, 17.5274,  
55.5980

■ 34.4929, 17.5274,  
55.5980

■ 34.0493, 16.6397,  
55.4502

■ 35.2723, 19.0855,  
55.8580

■ 33.8624, 16.2658,  
55.3878

■ 36.4338, 21.4086,  
56.2452

■ 38.0190, 24.5789,  
56.7737

■ 40.0631, 28.6671,  
57.4551

■ 42.5979, 33.7367,  
58.3001

■ 45.6524, 39.8456,  
59.3184

■ 49.2531, 47.0471,  
60.5187

■ 53.4250, 55.3908,  
61.9094

■ 58.1913, 64.9235,  
63.4982

# Harmonies

## Analogous

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



25.4775, 17.5274, 96.1033



34.4929, 17.5274, 55.5980



38.6138, 17.5274, 20.7119

# Triad

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



34.4929, 17.5274, 55.5980



17.2182, 17.5274, 0.0000



6.0737, 17.5274, 50.1896

# Complementary

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



34.4929, 17.5274, 55.5980



21.4703, 41.3502, 8.5197

# 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.



5.1597, 17.5274, 17.5444



34.4929, 17.5274, 55.5980



10.1543, 17.5274, 0.3091

# Square

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



34.4929, 17.5274, 55.5980



26.7698, 17.5274, 0.5255



6.3602, 17.5274, 3.5676



9.4813, 17.5274, 91.5263



# Rectangle

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



34.4929, 17.5274, 55.5980



37.2540, 17.5274, 8.0336



6.3602, 17.5274, 3.5676



5.5278, 17.5274, 37.3232

# Sweetspot

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



34.4936, 17.5282, 55.5984



77.9753, 65.8507, 103.2081



11.6681, 5.7612, 54.5308



16.2837, 13.2823, 21.9554



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.



34.4936, 17.5282, 55.5984



59.3451, 28.5906, 96.9971



27.4255, 14.7010, 18.3780



11.0832, 10.8166, 13.4212



21.7740, 10.4591, 35.6151



1.0310, 0.4952, 1.6864



# Inverse Universe

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



34.4936, 17.5282, 55.5984



59.3451, 28.5906, 96.9971



24.3924, 42.5190, 23.9073



11.0832, 10.8166, 13.4212



21.7740, 10.4591, 35.6151



1.0310, 0.4952, 1.6864



# Previews

## White Background



This preview shows how the XYZ color 34.4929, 17.5274, 55.5980 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

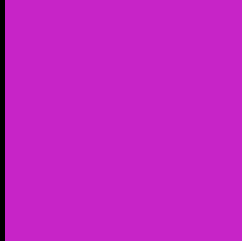
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.4929, 17.5274, 55.5980 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

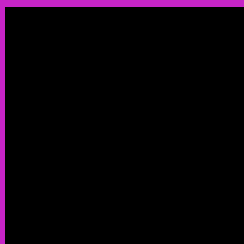
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 34.4929, 17.5274, 55.5980**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.4929, 17.5274, 55.5980.



This preview shows how white text looks on a background with the XYZ color 34.4929, 17.5274,



# 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

34.4929, 17.5274, 55.5980

### Protanopia

21.4851, 18.0422, 84.0115

### Deuteranopia

18.4189, 17.8899, 50.0593



## Tritanopia

25.3899, 17.4726, 11.4855

# Trichromacy



## Original Color

34.4929, 17.5274, 55.5980



## Protanomaly

19.3755, 13.2565, 72.0586



## Deuteranomaly

20.8893, 14.8502, 51.6346



## Tritanomaly

27.3965, 16.5578, 22.5209

# Monochromacy



## Original Color

34.4929, 17.5274, 55.5980



## Achromatopsia

12.8919, 13.5633, 14.7705



## Achromatomaly

17.8647, 12.8302, 25.5797

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.4929, 17.5274, 55.5980 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(199, 36, 199)` looks like.

```
.text, #text, p{  
    color:rgb(199, 36, 199)  
}
```

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(199, 36, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 36, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 34.4929, 17.5274, 55.5980 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(199, 36, 199) }
```



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

```
.border{ border-color:rgb(199, 36, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 36, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 36, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 36, 199); box-shadow:4px 4px 4px 4px rgb(199, 36, 199) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.4929, 17.5274, 55.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 36, 199) }
```

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

```
.background{ background-color: rgb(199, 36,  
199) }
```

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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