

# Converting Colors

XYZ(34.5806, 25.3446, 39.4875)

Have a look what the booklet for  
XYZ(34.5806, 25.3446, 39.4875)  
contains.

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# Color

**XYZ(34.5433, 25.2793,  
39.6180)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C16EA7
RGB	193, 110, 167
RGB Percent	76%, 43%, 65%
CMY	0.2431, 0.5686, 0.3451
CMYK	0.00, 0.43, 0.13, 0.24
HSL	319°, 40%, 59%
HSV	319°, 43%, 76%
XYZ	34.5433, 25.2793, 39.6180
YIQ	141.3150, 31.1710, 35.3230

# Conversions

## Conversions Part 2

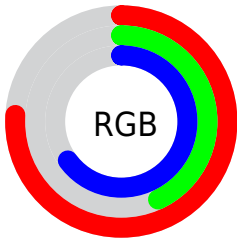
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 110, 167
Decimal	12676775
CIE <sub>Lab</sub>	57.35, 40.67, -16.32
CIE <sub>LCh</sub>	57, 43.821, 338.131
Yxy	25.2793, 0.3474, 0.2542
Android (android.graphics.Color)	4290866855 (0xFFC16EA7)
YUV	141.3150, 12.6627, 45.3277
Hunter-Lab	50.2785, 34.6490, -11.5238

# Details

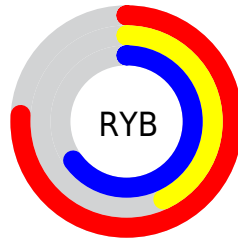
The XYZ color **34.5433, 25.2793, 39.6180** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **29.9454, 43.2333, 30.0609**, and the grayscale version is **25.3850, 26.7070, 29.0839**.

A 20% lighter version of the original color is **66.0657, 51.9775, 75.6579**, and **15.1397, 9.7690, 17.3073** is the 20% darker color. If you saturate the color by 10%, you get **32.1374, 21.3409, 36.1226**, and if you desaturate by 10%, it is **37.4303, 30.1374, 43.4032**.

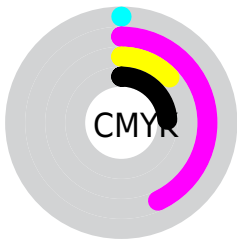
# Distribution



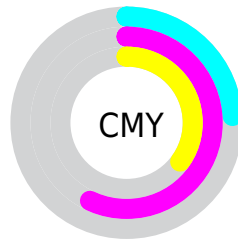
- Red (76%)
- Green (43%)
- Blue (65%)



- Red (76%)
- Yellow (43%)
- Blue (65%)



- Cyan (0%)
- Magenta (43%)
- Yellow (13%)
- Black (24%)




- Cyan (24%)
- Magenta (57%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5433, 25.2793, 39.6180 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 34.5433, 25.2793, 39.6180 by changing the saturation by 10% instead.





 34.5433, 25.2793,  
39.6180


 34.5433, 25.2793,  
39.6180

314.0913,  
279.2260, 360.0150


 23.4762, 16.2853,  
26.9293


 66.1164, 52.1100,  
75.8122


 15.0681, 9.7262,  
17.2882


 87.3530, 70.7154,  
100.1547

 8.9538, 5.2178,  
10.2760


 112.7101, 93.2934,  
129.2190

 4.7679, 2.3756,  
5.4744

 142.5532,  
120.2284, 163.4236

 2.1451, 0.8133,  
2.4646

177.2474,  
151.9047, 203.1869

 0.7136, 0.0000,  
0.8213

217.1583,

 0.0000, 0.0000,

188.7069, 248.9275

0.0000

262.6512,  
231.0192, 301.0640

■ 34.5433, 25.2793,  
39.6180

■ 34.5433, 25.2793,  
39.6180

■ 32.1374, 21.3409,  
36.1226

■ 37.4303, 30.1374,  
43.4032

■ 30.1803, 18.2591,  
32.9038

■ 40.8236, 35.9661,  
47.4876

■ 28.6390, 15.9684,  
29.9490


■ 44.7493, 42.8164,  
51.8818


■ 27.4750, 14.3921,  
27.2435


■ 49.2307, 50.7350,  
56.5952


■ 26.6419, 13.4380,  
24.7702


■ 54.2902, 59.7656,  
61.6369

 26.1944, 13.0183,  
23.1561

 59.9485, 69.9494,  
67.0153

 66.2255, 81.3256,  
72.7388

 70.0658, 87.7829,  
77.7902

 70.8591, 88.1002,  
81.9677

# Harmonies

## Analogous

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



30.7395, 25.2793, 56.7251



34.5433, 25.2793, 39.6180



35.3372, 25.2793, 23.6728

# Triad

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



34.5433, 25.2793, 39.6180



22.6416, 25.2793, 7.8045



16.9939, 25.2793, 49.2430

# Complementary

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



34.5433, 25.2793, 39.6180



29.9454, 43.2333, 30.0609

# 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.



15.4316, 25.2793, 31.7736



34.5433, 25.2793, 39.6180



18.3710, 25.2793, 10.5947

# Square

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



34.5433, 25.2793, 39.6180



27.9442, 25.2793, 8.5942



15.8966, 25.2793, 18.1831



20.4945, 25.2793, 63.5349



# Rectangle

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



34.5433, 25.2793, 39.6180



33.9590, 25.2793, 16.1178



15.8966, 25.2793, 18.1831



16.2494, 25.2793, 43.3404

# Sweetspot

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



34.5441, 25.2805, 39.6185



79.9950, 76.4192, 92.7566



25.1783, 20.1461, 53.0141



16.8085, 15.7752, 19.5134



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.



34.5441, 25.2805, 39.6185



57.6315, 38.3399, 64.8087



31.3740, 24.0124, 22.9249



10.3586, 10.1921, 11.9791



17.4596, 8.6736, 15.5983



0.7843, 0.3867, 0.8316



# Inverse Universe

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



34.5441, 25.2805, 39.6185



57.6315, 38.3399, 64.8087



33.3774, 44.6061, 48.1336



10.3586, 10.1921, 11.9791



17.4596, 8.6736, 15.5983



0.7843, 0.3867, 0.8316



# Previews

## White Background



This preview shows how the XYZ color 34.5433, 25.2793, 39.6180 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

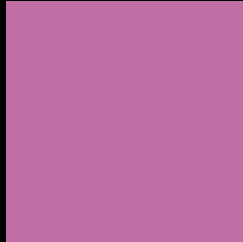
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 34.5433, 25.2793, 39.6180 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

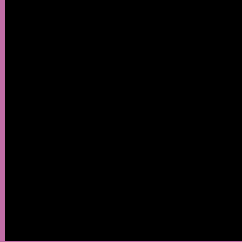
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 34.5433, 25.2793, 39.6180**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.5433, 25.2793, 39.6180.



This preview shows how white text looks on a background with the XYZ color 34.5433, 25.2793,

39.6180.

# 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

34.5433, 25.2793, 39.6180

### Protanopia

25.9793, 25.4386, 49.9953

### Deuteranopia

26.0900, 25.5477, 38.2064



## Tritanopia

31.2955, 25.3080, 23.3142

# Trichromacy



## Original Color

34.5433, 25.2793, 39.6180

## Protanomaly

28.1205, 24.8230, 45.9570

## Deuteranomaly

28.4598, 24.9730, 38.4422

## Tritanomaly

32.2484, 25.1616, 28.7482

# Monochromacy



## Original Color

34.5433, 25.2793, 39.6180

## Achromatopsia

25.3171, 26.6356, 29.0061

## Achromatomaly

27.9849, 25.6409, 32.3284

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.5433, 25.2793, 39.6180 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(193, 110, 167)` looks like.

```
.text, #text, p{  
    color:rgb(193, 110, 167)  
}
```

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(193, 110, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 110, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 34.5433, 25.2793, 39.6180 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(193, 110, 167) }
```



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

```
.border{ border-color:rgb(193, 110, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 110, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 110, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 110, 167); box-shadow:4px 4px 4px 4px rgb(193, 110, 167) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.5433, 25.2793, 39.6180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 110, 167) }
```

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

```
.background{ background-color: rgb(193,  
110, 167) }
```

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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