

# Converting Colors

XYZ(35.5590, 23.1819, 34.4987)

Have a look what the booklet for  
XYZ(35.5590, 23.1819, 34.4987)  
contains.

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# Color

**XYZ(35.5590, 23.1819,  
34.4987)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF5B9D
RGB	207, 91, 157
RGB Percent	81%, 36%, 62%
CMY	0.1882, 0.6431, 0.3843
CMYK	0.00, 0.56, 0.24, 0.19
HSL	326°, 55%, 58%
HSV	326°, 56%, 81%
XYZ	35.5590, 23.1819, 34.4987
YIQ	133.2080, 47.9500, 45.1180

# Conversions

## Conversions Part 2

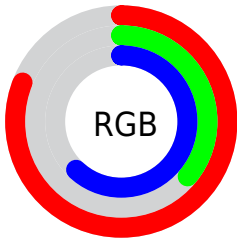
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 91, 157
Decimal	13589405
CIE <sub>Lab</sub>	55.26, 53.13, -13.49
CIE <sub>LCh</sub>	55, 54.813, 345.757
Yxy	23.1819, 0.3814, 0.2486
Android (android.graphics.Color)	4291779485 (0xFFCF5B9D)
YUV	133.2080, 11.7295, 64.7156
Hunter-Lab	48.1476, 47.5714, -8.7792

# Details

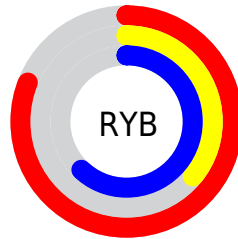
The XYZ color **35.5590, 23.1819, 34.4987** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **31.4361, 48.7735, 32.9591**, and the grayscale version is **22.3173, 23.4796, 25.5692**.

A 20% lighter version of the original color is **63.4025, 46.5712, 67.9348**, and **15.7512, 8.6687, 14.4787** is the 20% darker color. If you saturate the color by 10%, you get **33.2930, 19.8248, 30.1211**, and if you desaturate by 10%, it is **38.3700, 27.5395, 39.3329**.

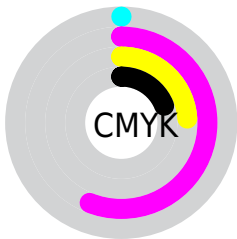
# Distribution



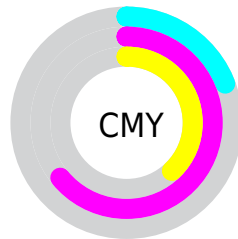
- Red (81%)
- Green (36%)
- Blue (62%)



- Red (81%)
- Yellow (36%)
- Blue (62%)



- Cyan (0%)
- Magenta (56%)
- Yellow (24%)
- Black (19%)




- Cyan (19%)
- Magenta (64%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5590, 23.1819, 34.4987 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 35.5590, 23.1819, 34.4987 by changing the saturation by 10% instead.




 35.5590, 23.1819,  
34.4987


 35.5590, 23.1819,  
34.4987


318.4939,  
268.6579, 337.1868

 24.2623, 14.7279,  
22.9965


 67.6792, 48.6918,  
67.8512


 15.6541, 8.6286,  
14.3857


 89.2334, 66.5165,  
90.5386

 9.3690, 4.4998,  
8.2476


 114.9375, 88.2336,  
117.7914

 5.0417, 1.9569,  
4.1637

 145.1569,  
114.2274, 150.0283

 2.3068, 0.5822,  
1.7156

180.2568,  
144.8823, 187.6677

 0.7981, 0.0000,  
0.3714

220.6027,

 0.0000, 0.0000,

180.5828, 231.1283

0.0000

266.5600,  
221.7132, 280.8285

■ 35.5590, 23.1819,  
34.4987

■ 35.5590, 23.1819,  
34.4987

■ 33.2930, 19.8248,  
30.1211

■ 38.3700, 27.5395,  
39.3329

■ 31.5276, 17.3817,  
26.1788

■ 41.7615, 32.9675,  
44.6406

■ 30.2141, 15.7575,  
22.6499

■ 45.7684, 39.5338,  
50.4392

■ 29.2915, 14.8317,  
19.5077

■ 50.4222, 47.2994,  
56.7443

■ 28.9887, 14.5680,  
18.3526

■ 55.7520, 56.3209,  
63.5709

■ 61.7853, 66.6516,  
70.9332

■ 68.5477, 78.3414,  
78.8447

■ 75.5491, 90.4082,  
87.1468

■ 76.8230, 90.9178,  
93.8554

# Harmonies

## Analogous

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



31.6108, 23.1819, 56.9101



35.5590, 23.1819, 34.4987



35.4481, 23.1819, 17.1335

# Triad

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



35.5590, 23.1819, 34.4987



18.9831, 23.1819, 4.6898



14.7857, 23.1819, 58.0025

# Complementary

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



35.5590, 23.1819, 34.4987



31.4361, 48.7735, 32.9591

# 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.



12.5190, 23.1819, 35.5718



35.5590, 23.1819, 34.4987



14.6174, 23.1819, 8.2461

# Square

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



35.5590, 23.1819, 34.4987



25.0652, 23.1819, 4.6150



12.4638, 23.1819, 17.8083



19.2570, 23.1819, 74.1870



# Rectangle

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



35.5590, 23.1819, 34.4987



33.0595, 23.1819, 10.1992



12.4638, 23.1819, 17.8083



13.7804, 23.1819, 50.5764

# Sweetspot

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



35.5597, 23.1831, 34.4991



79.8820, 74.2465, 89.7169



25.7080, 17.5063, 61.0558



16.7605, 15.3261, 18.7532



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.



35.5597, 23.1831, 34.4991



52.7989, 30.9747, 47.1028



31.8068, 21.6819, 14.7366



12.0865, 11.9193, 13.7312



18.3124, 9.1978, 11.8171



1.0633, 0.5300, 0.8681



# Inverse Universe

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



35.5597, 23.1831, 34.4991



52.7989, 30.9747, 47.1028



36.7443, 50.8968, 60.9117



12.0865, 11.9193, 13.7312



18.3124, 9.1978, 11.8171



1.0633, 0.5300, 0.8681



# Previews

## White Background



This preview shows how the XYZ color 35.5590, 23.1819, 34.4987 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

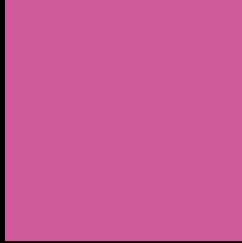
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.5590, 23.1819, 34.4987 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

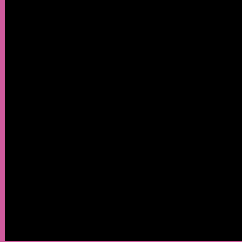
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.5590, 23.1819, 34.4987**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.5590, 23.1819, 34.4987.



This preview shows how white text looks on a background with the XYZ color 35.5590, 23.1819,



# 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

35.5590, 23.1819, 34.4987

### Protanopia

24.0757, 23.4484, 49.1560

### Deuteranopia

23.7527, 23.2532, 32.5146



## Tritanopia

32.1403, 23.3034, 17.2720

# Trichromacy



## Original Color

35.5590, 23.1819, 34.4987

## Protanomaly

26.3777, 21.9755, 43.4089

## Deuteranomaly

26.7808, 22.2428, 33.0188

## Tritanomaly

33.0354, 23.0791, 22.4522

# Monochromacy



## Original Color

35.5590, 23.1819, 34.4987

## Achromatopsia

22.2940, 23.4551, 25.5426

## Achromatomaly

25.8581, 22.3834, 28.5488

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.5590, 23.1819, 34.4987 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(207, 91, 157)` looks like.

```
.text, #text, p{  
    color:rgb(207, 91, 157)  
}
```

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(207, 91, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 91, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 35.5590, 23.1819, 34.4987 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(207, 91, 157) }
```



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

```
.border{ border-color:rgb(207, 91, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 91, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 91, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 91, 157);  
box-shadow:4px 4px 4px 4px rgb(207, 91,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.5590, 23.1819, 34.4987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 91, 157) }
```

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

```
.background{ background-color: rgb(207, 91,  
157) }
```

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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