

# Converting Colors

XYZ(39.5770, 29.2217, 35.4481)

Have a look what the booklet for  
XYZ(39.5770, 29.2217, 35.4481)  
contains.

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# Color

**XYZ(39.5985, 29.1539,  
35.4385)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4759D
RGB	212, 117, 157
RGB Percent	83%, 46%, 62%
CMY	0.1686, 0.5412, 0.3843
CMYK	0.00, 0.45, 0.26, 0.17
HSL	335°, 52%, 65%
HSV	335°, 45%, 83%
XYZ	39.5985, 29.1539, 35.4385
YIQ	149.9650, 43.7800, 32.5800

# Conversions

## Conversions Part 2

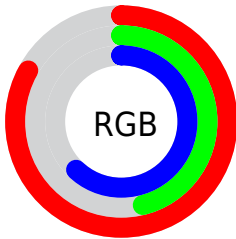
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 117, 157
Decimal	13923741
CIE <sub>Lab</sub>	60.92, 41.90, -4.96
CIE <sub>LCh</sub>	61, 42.189, 353.251
Yxy	29.1539, 0.3801, 0.2798
Android (android.graphics.Color)	4292113821 (0xFFD4759D)
YUV	149.9650, 3.4683, 54.4047
Hunter-Lab	53.9944, 36.4186, -1.1182

# Details

The XYZ color **39.5985, 29.1539, 35.4385** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **38.3274, 53.8483, 47.4060**, and the grayscale version is **28.9481, 30.4557, 33.1662**.

A 20% lighter version of the original color is **67.6866, 55.1393, 69.3628**, and **18.0094, 11.7898, 14.9621** is the 20% darker color. If you saturate the color by 10%, you get **36.4064, 24.3633, 29.4614**, and if you desaturate by 10%, it is **43.4568, 35.1080, 42.1578**.

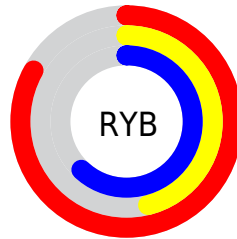
# Distribution



Red (83%)

Green (46%)

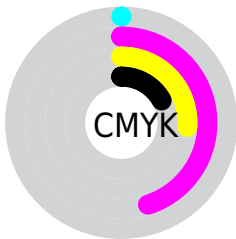
Blue (62%)



Red (83%)

Yellow (46%)

Blue (62%)

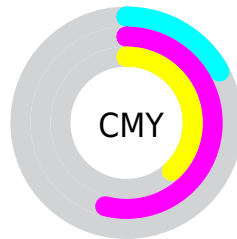


Cyan (0%)

Magenta (45%)

Yellow (26%)

Black (17%)



Cyan (17%)

Magenta (54%)

Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5985, 29.1539, 35.4385 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 39.5985, 29.1539, 35.4385 by changing the saturation by 10% instead.





 39.5985, 29.1539,  
35.4385


 39.5985, 29.1539,  
35.4385


335.5919,  
297.9404, 341.4625


 27.4085, 19.1973,  
23.7146


 73.8400, 58.3215,  
69.3238

 18.0184, 11.8129,  
14.9118


 96.6221, 78.3013,  
92.3222

 11.0630, 6.6164,  
8.6116


 123.6656,  
102.3909, 119.9160

 6.1768, 3.2234,  
4.3954

155.3360,  
130.9748, 152.5235

 2.9946, 1.2494,  
1.8447

191.9984,  
164.4372, 190.5634

 1.1509, 0.1015,  
0.4572

234.0183,

 0.0671, 0.0000,

203.1627, 234.4541

0.0000

281.7610,  
247.5357, 284.6143

■ 0.0000, 0.0000,  
0.0000

■ 39.5985, 29.1539,  
35.4385

■ 39.5985, 29.1539,  
35.4385

■ 36.4064, 24.3633,  
29.4614

■ 43.4568, 35.1080,  
42.1578

■ 33.8368, 20.6543,  
24.1957

■ 48.0165, 42.2919,  
49.6446

■ 31.8442, 17.9408,  
19.6105

■ 53.3131, 50.7718,  
57.9252

■ 30.3752, 16.1219,  
15.6714

■ 59.3790, 60.6080,  
67.0238

■ 29.3656, 15.0743,  
12.3390

■ 66.2444, 71.8570,  
76.9637

■ 28.9656, 14.7227,  
10.8231

■ 73.9381, 84.5720,  
87.7669

■ 79.0773, 91.9834,  
98.3181

■ 80.9615, 92.7371,  
108.2407

# Harmonies

## Analogous

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



37.0797, 29.1539, 53.5387



39.5985, 29.1539, 35.4385



38.6098, 29.1539, 21.2230

# Triad

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



39.5985, 29.1539, 35.4385



23.7402, 29.1539, 11.2517



21.8504, 29.1539, 62.7325

# Complementary

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



39.5985, 29.1539, 35.4385



38.3274, 53.8483, 47.4060

# 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.



19.0827, 29.1539, 45.2683



39.5985, 29.1539, 35.4385



20.0686, 29.1539, 16.8487

# Square

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



39.5985, 29.1539, 35.4385



28.9717, 29.1539, 10.1617



18.4764, 29.1539, 28.3150



26.4853, 29.1539, 72.3354



# Rectangle

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



39.5985, 29.1539, 35.4385



36.1509, 29.1539, 15.1812



18.4764, 29.1539, 28.3150



20.6971, 29.1539, 57.3563

# Sweetspot

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



39.5993, 29.1553, 35.4391



82.4337, 79.4678, 90.2040



35.0045, 26.1169, 65.4839



17.2295, 16.3405, 18.6742



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.



39.5993, 29.1553, 35.4391



55.4012, 37.1586, 44.9517



37.4878, 29.5316, 20.5556



12.6380, 12.5067, 14.0340



17.9294, 9.1081, 6.9324



1.1222, 0.5657, 0.6331



# Inverse Universe

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



39.5993, 29.1553, 35.4391



55.4012, 37.1586, 44.9517



41.2119, 52.5185, 70.2527



12.6380, 12.5067, 14.0340



17.9294, 9.1081, 6.9324



1.1222, 0.5657, 0.6331



# Previews

## White Background



This preview shows how the XYZ color 39.5985, 29.1539, 35.4385 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

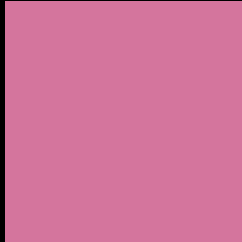
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 39.5985, 29.1539, 35.4385 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 39.5985, 29.1539, 35.4385**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.5985, 29.1539, 35.4385.



This preview shows how white text looks on a background with the XYZ color 39.5985, 29.1539,

35.4385.

# 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

39.5985, 29.1539, 35.4385

### Protanopia

29.0999, 29.3551, 45.2067

### Deuteranopia

29.8703, 29.3158, 34.2212



## Tritanopia

37.3508, 29.1131, 25.1235

# Trichromacy



## Original Color

39.5985, 29.1539, 35.4385

## Protanomaly

31.7618, 28.4080, 41.3454

## Deuteranomaly

32.7179, 28.8483, 34.4157

## Tritanomaly

38.0284, 29.0280, 28.4096

# Monochromacy



## Original Color

39.5985, 29.1539, 35.4385

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

32.0718, 29.3611, 34.1139

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.5985, 29.1539, 35.4385 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(212, 117, 157) looks like.

```
.text, #text, p{  
    color:rgb(212, 117, 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(212, 117, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 117, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 39.5985, 29.1539, 35.4385 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(212, 117, 157) }
```



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

```
.border{ border-color:rgb(212, 117, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 117, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 117, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 117, 157);  
box-shadow:4px 4px 4px 4px rgb(212, 117,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.5985, 29.1539, 35.4385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 117, 157) }
```

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

```
.background{ background-color: rgb(212,  
117, 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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