

# Converting Colors

XYZ(39.6852, 29.5963, 29.8933)

Have a look what the booklet for  
XYZ(39.6852, 29.5963, 29.8933)  
contains.

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# Color

**XYZ(39.6552, 29.6543,  
30.0194)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D77790
RGB	215, 119, 144
RGB Percent	84%, 47%, 56%
CMY	0.1569, 0.5333, 0.4353
CMYK	0.00, 0.45, 0.33, 0.16
HSL	344°, 55%, 65%
HSV	344°, 45%, 84%
XYZ	39.6552, 29.6543, 30.0194
YIQ	150.5540, 49.1910, 28.1270

# Conversions

## Conversions Part 2

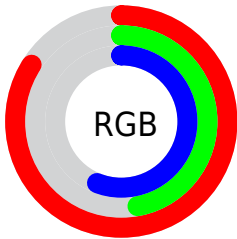
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 119, 144
Decimal	14120848
CIE Lab	61.35, 40.19, 3.20
CIE LCh	61, 40.316, 4.553
Yxy	29.6543, 0.3992, 0.2985
Android (android.graphics.Color)	4292310928 (0xFFD77790)
YUV	150.5540, -3.2311, 56.5191
Hunter-Lab	54.4558, 34.6878, 5.4347

# Details

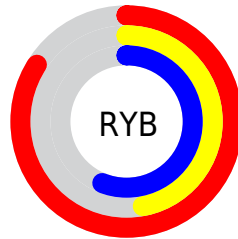
The XYZ color **39.6552, 29.6543, 30.0194** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **41.2038, 56.2412, 57.4020**, and the grayscale version is **29.2244, 30.7463, 33.4828**.

A 20% lighter version of the original color is **66.3766, 55.2244, 60.5870**, and **18.1281, 12.0916, 11.9681** is the 20% darker color. If you saturate the color by 10%, you get **36.2488, 24.6514, 23.3040**, and if you desaturate by 10%, it is **43.8132, 35.8861, 37.8306**.

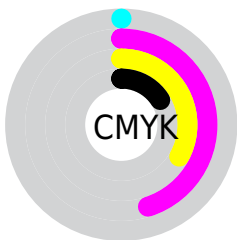
# Distribution



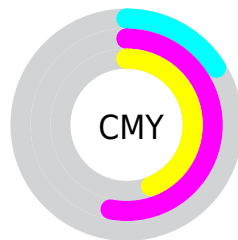
- Red (84%)
- Green (47%)
- Blue (56%)



- Red (84%)
- Yellow (47%)
- Blue (56%)



- Cyan (0%)
- Magenta (45%)
- Yellow (33%)
- Black (16%)




- Cyan (16%)
- Magenta (53%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6552, 29.6543, 30.0194 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 39.6552, 29.6543, 30.0194 by changing the saturation by 10% instead.





 39.6552, 29.6543,  
30.0194


 39.6552, 29.6543,  
30.0194

335.8275,  
300.2897, 316.2050

 27.4528, 19.5763,  
19.6011


 73.9259, 59.1150,  
60.7542

 18.0519, 12.0875,  
11.9243


 96.7249, 79.2666,  
81.9079

 11.0872, 6.8033,  
6.5702


 123.7868,  
103.5448, 107.4771

 6.1932, 3.3394,  
3.1205

155.4770,  
132.3341, 137.8803

 3.0047, 1.3114,  
1.1565

192.1608,  
166.0189, 173.5362

 1.1563, 0.1500,  
0.0000

234.2036,

 0.0714, 0.0000,

204.9835, 214.8632

0.0000

281.9707,  
249.6123, 262.2800

0.0000, 0.0000,  
0.0000

39.6552, 29.6543,  
30.0194

39.6552, 29.6543,  
30.0194

36.2488, 24.6514,  
23.3040

43.8132, 35.8861,  
37.8306

33.5449, 20.7910,  
17.6320

48.7629, 43.4167,  
46.7832

31.4922, 17.9827,  
12.9490

54.5443, 52.3159,  
56.9219

30.0310, 16.1202,  
9.1946

61.1941, 62.6473,  
68.2889

29.0894, 15.0740,  
6.3006

68.7467, 74.4706,  
80.9240

■ 28.7378, 14.7324,  
5.0681

■ 77.2345, 87.8419,  
94.8652

■ 81.8344, 93.1871,  
108.2815

# Harmonies

## Analogous

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



38.4624, 29.6543, 46.5747



39.6552, 29.6543, 30.0194



37.4725, 29.6543, 18.3657

# Triad

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



39.6552, 29.6543, 30.0194



22.7753, 29.6543, 13.6783



24.0168, 29.6543, 66.6027

# Complementary

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



39.6552, 29.6543, 30.0194



41.2038, 56.2412, 57.4020

# 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.



20.5757, 29.6543, 51.9059



39.6552, 29.6543, 30.0194



19.9246, 29.6543, 21.2705

# Square

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



39.6552, 29.6543, 30.0194



27.3817, 29.6543, 11.0118



19.1728, 29.6543, 34.6691



29.0050, 29.6543, 71.1562



# Rectangle

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



39.6552, 29.6543, 30.0194



34.5405, 29.6543, 13.8266



19.1728, 29.6543, 34.6691



22.6621, 29.6543, 62.4989

# Sweetspot

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



39.6560, 29.6558, 30.0200



81.6721, 79.1632, 86.1935



39.9493, 28.9716, 67.7766



17.0428, 16.2658, 17.6911



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.



39.6560, 29.6558, 30.0200



53.3988, 36.3576, 34.4072



40.9391, 34.9484, 22.0426



12.5547, 12.4734, 13.5951



17.2257, 8.8266, 3.2269



1.0731, 0.5460, 0.3742



# Inverse Universe

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



39.6560, 29.6558, 30.0200



53.3988, 36.3576, 34.4072



38.8563, 46.7926, 71.2740



12.5547, 12.4734, 13.5951



17.2257, 8.8266, 3.2269



1.0731, 0.5460, 0.3742



# Previews

## White Background



This preview shows how the XYZ color 39.6552, 29.6543, 30.0194 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

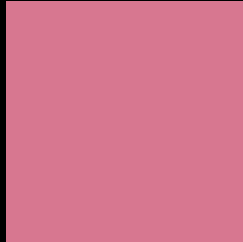
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 39.6552, 29.6543, 30.0194 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

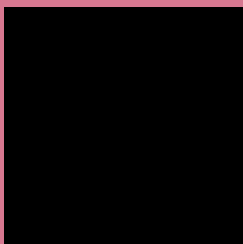
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.6552, 29.6543, 30.0194**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.6552, 29.6543, 30.0194.



This preview shows how white text looks on a background with the XYZ color 39.6552, 29.6543,



# 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

39.6552, 29.6543, 30.0194

### Protanopia

29.2357, 30.0489, 37.9773

### Deuteranopia

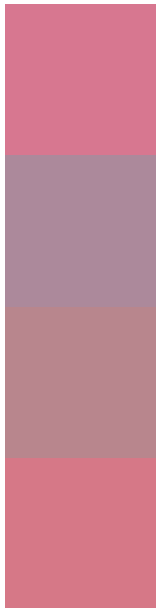
30.2820, 29.6454, 28.9370



## Tritanopia

38.5982, 29.5826, 24.7948

# Trichromacy



## Original Color

39.6552, 29.6543, 30.0194

## Protanomaly

31.8753, 29.0285, 34.9334

## Deuteranomaly

33.1000, 29.1636, 29.0839

## Tritanomaly

38.8212, 29.4784, 26.5655

# Monochromacy



## Original Color

39.6552, 29.6543, 30.0194

## Achromatopsia

29.4150, 30.9469, 33.7012

## Achromatomaly

32.0335, 29.6020, 32.0424

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.6552, 29.6543, 30.0194 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(215, 119, 144)` looks like.

```
.text, #text, p{  
    color:rgb(215, 119, 144)  
}
```

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(215, 119, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 119, 144) }
```

## Border

The CSS property to change the border of an element to XYZ 39.6552, 29.6543, 30.0194 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(215, 119, 144) }
```



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

```
.border{ border-color:rgb(215, 119, 144) }
```

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

Here you see how a box with a 4 pixel rgb(215, 119, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 119, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 119, 144);  
box-shadow:4px 4px 4px 4px rgb(215, 119,  
144) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.6552, 29.6543, 30.0194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 119, 144) }
```

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

```
.background{ background-color: rgb(215,  
119, 144) }
```

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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