

# Converting Colors

XYZ(39.9051, 30.0384, 34.7051)

Have a look what the booklet for  
XYZ(39.9051, 30.0384, 34.7051)  
contains.

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# Color

**XYZ(39.9051, 30.0384,  
34.7051)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4799B
RGB	212, 121, 155
RGB Percent	83%, 47%, 61%
CMY	0.1686, 0.5255, 0.3922
CMYK	0.00, 0.43, 0.27, 0.17
HSL	338°, 51%, 65%
HSV	338°, 43%, 83%
XYZ	39.9051, 30.0384, 34.7051
YIQ	152.0850, 43.3220, 29.8660

# Conversions

## Conversions Part 2

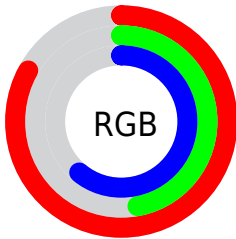
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 121, 155
Decimal	13924763
CIE Lab	61.69, 39.54, -2.67
CIE LCh	62, 39.629, 356.131
Yxy	30.0384, 0.3813, 0.2870
Android (android.graphics.Color)	4292114843 (0xFFD4799B)
YUV	152.0850, 1.4371, 52.5455
Hunter-Lab	54.8073, 34.0528, 0.8215

# Details

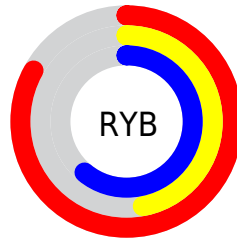
The XYZ color **39.9051, 30.0384, 34.7051** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **39.4659, 54.3669, 50.5361**, and the grayscale version is **29.8635, 31.4187, 34.2150**.

A 20% lighter version of the original color is **68.0786, 56.5234, 67.6436**, and **18.2064, 12.3484, 14.5206** is the 20% darker color. If you saturate the color by 10%, you get **36.5515, 25.0189, 28.3841**, and if you desaturate by 10%, it is **43.9491, 36.2421, 41.8620**.

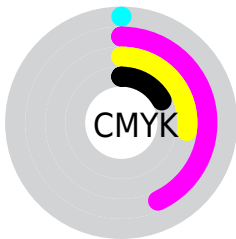
# Distribution



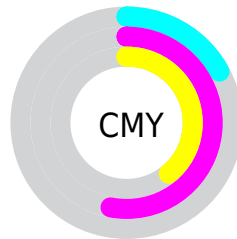
- Red (83%)
- Green (47%)
- Blue (61%)



- Red (83%)
- Yellow (47%)
- Blue (61%)



- Cyan (0%)
- Magenta (43%)
- Yellow (27%)
- Black (17%)




- Cyan (17%)
- Magenta (53%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9051, 30.0384, 34.7051 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 39.9051, 30.0384, 34.7051 by changing the saturation by 10% instead.





 39.9051, 30.0384,  
34.7051

 39.9051, 30.0384,  
34.7051


336.8647,  
302.0834, 338.1294


 27.6484, 19.8677,  
23.1541


 74.3042, 59.7229,  
68.1750

 18.1999, 12.2989,  
14.5009


 97.1774, 80.0055,  
90.9310

 11.1942, 6.9476,  
8.3272


 124.3202,  
104.4276, 118.2591

 6.2658, 3.4294,  
4.2142

156.0978,  
133.3735, 150.5778

 3.0496, 1.3598,  
1.7436

192.8758,  
167.2276, 188.3056

 1.1800, 0.1868,  
0.3904

235.0193,

 0.0905, 0.0000,

206.3744, 231.8611

0.0000

282.8938,  
251.1982, 281.6629

■ 0.0000, 0.0000,  
0.0000

■ 39.9051, 30.0384,  
34.7051

■ 39.9051, 30.0384,  
34.7051

■ 36.5515, 25.0189,  
28.3841

■ 43.9491, 36.2421,  
41.8620

■ 33.8444, 21.1025,  
22.8640

■ 48.7189, 43.6951,  
49.8844

■ 31.7385, 18.2051,  
18.1095


■ 54.2503, 52.4633,  
58.8022


■ 30.1809, 16.2283,  
14.0812


■ 60.5760, 62.6063,  
68.6435


■ 29.1088, 15.0535,  
10.7351

■ 67.7266, 74.1804,  
79.4350

 28.5700, 14.5645,  
8.7411

 75.7313, 87.2383,  
91.2021

 79.8484, 92.2918,  
102.3797

 80.9614, 92.7370,  
108.2407

# Harmonies

## Analogous

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



37.8211, 30.0384, 51.6994



39.9051, 30.0384, 34.7051



38.6522, 30.0384, 21.5149

# Triad

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



39.9051, 30.0384, 34.7051



24.3149, 30.0384, 12.9537



23.2659, 30.0384, 63.2169

# Complementary

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



39.9051, 30.0384, 34.7051



39.4659, 54.3669, 50.5361

# 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.



20.3828, 30.0384, 47.2305



39.9051, 30.0384, 34.7051



20.9341, 30.0384, 19.0492

# Square

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



39.9051, 30.0384, 34.7051



29.2401, 30.0384, 11.4513



19.5844, 30.0384, 30.7865



27.8720, 30.0384, 71.0617



# Rectangle

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



39.9051, 30.0384, 34.7051



36.1672, 30.0384, 15.9248



19.5844, 30.0384, 30.7865



22.0862, 30.0384, 58.4164

# Sweetspot

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



39.9059, 30.0399, 34.7057



82.2065, 79.3769, 89.0073



36.8804, 27.7908, 65.7077



17.1737, 16.3182, 18.3803



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.



39.9059, 30.0399, 34.7057



55.6892, 38.2537, 43.4473



38.8030, 31.7779, 22.1797



12.6132, 12.4968, 13.9034



17.6825, 9.0093, 5.6319



1.1060, 0.5592, 0.5475



# Inverse Universe

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



39.9059, 30.0399, 34.7057



55.6892, 38.2537, 43.4473



40.7460, 50.7714, 69.9397



12.6132, 12.4968, 13.9034



17.6825, 9.0093, 5.6319



1.1060, 0.5592, 0.5475



# Previews

## White Background



This preview shows how the XYZ color 39.9051, 30.0384, 34.7051 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 39.9051, 30.0384, 34.7051 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

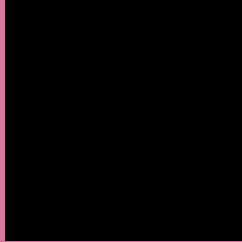
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 39.9051, 30.0384, 34.7051

## Background



This preview shows how black text looks on a background with the XYZ color 39.9051, 30.0384, 34.7051.



This preview shows how white text looks on a background with the XYZ color 39.9051, 30.0384,

34.7051.

# 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

39.9051, 30.0384, 34.7051

### Protanopia

29.7134, 30.1781, 43.2886

### Deuteranopia

30.8156, 30.2717, 33.4970



## Tritanopia

38.2150, 30.0901, 26.3481

# Trichromacy



## Original Color

39.9051, 30.0384, 34.7051

## Protanomaly

32.3336, 29.3651, 40.0403

## Deuteranomaly

33.5277, 29.6991, 33.6712

## Tritanomaly

38.9541, 30.2172, 29.3706

# Monochromacy



## Original Color

39.9051, 30.0384, 34.7051

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

32.7302, 30.3483, 34.2697

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.9051, 30.0384, 34.7051 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, 121, 155)` looks like.

```
.text, #text, p{  
    color:rgb(212, 121, 155)  
}
```

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, 121, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 121, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 39.9051, 30.0384, 34.7051 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, 121, 155) }
```



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

```
.border{ border-color:rgb(212, 121, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 121, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 121, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 121, 155);  
box-shadow:4px 4px 4px 4px rgb(212, 121,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.9051, 30.0384, 34.7051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 121, 155) }
```

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

```
.background{ background-color: rgb(212,  
121, 155) }
```

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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