

# Converting Colors

XYZ(51.6466, 46.7061, 59.1103)

Have a look what the booklet for  
XYZ(51.6466, 46.7061, 59.1103)  
contains.

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# Color

**XYZ(51.6041, 46.7777,  
59.1325)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4AAC5
RGB	212, 170, 197
RGB Percent	83%, 67%, 77%
CMY	0.1686, 0.3333, 0.2274
CMYK	0.00, 0.20, 0.07, 0.17
HSL	321°, 33%, 75%
HSV	321°, 20%, 83%
XYZ	51.6041, 46.7777, 59.1325
YIQ	185.6360, 16.3650, 17.3010

# Conversions

## Conversions Part 2

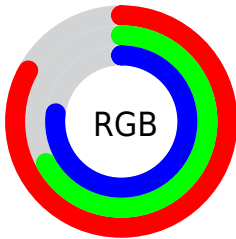
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 170, 197
Decimal	13937349
CIE Lab	74.05, 19.76, -7.92
CIE LCh	74, 21.291, 338.161
Yxy	46.7777, 0.3276, 0.2970
Android (android.graphics.Color)	4292127429 (0xFFD4AAC5)
YUV	185.6360, 5.6025, 23.1212
Hunter-Lab	68.3942, 14.9901, -3.3852

# Details

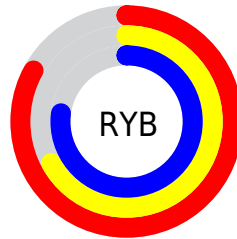
The XYZ color **51.6041, 46.7777, 59.1325** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.8798, 59.1370, 54.7399**, and the grayscale version is **46.4330, 48.8511, 53.1988**.

A 20% lighter version of the original color is **86.0546, 82.2662, 105.1093**, and **25.3410, 22.1081, 28.9183** is the 20% darker color. If you saturate the color by 10%, you get **47.1002, 39.1232, 53.4577**, and if you desaturate by 10%, it is **56.7952, 55.7355, 65.2525**.

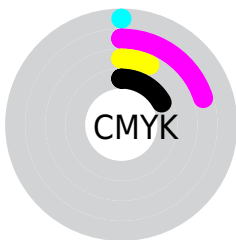
# Distribution



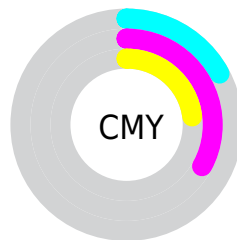
- Red (83%)
- Green (67%)
- Blue (77%)



- Red (83%)
- Yellow (67%)
- Blue (77%)



- Cyan (0%)
- Magenta (20%)
- Yellow (7%)
- Black (17%)



- Cyan (17%)
- Magenta (33%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6041, 46.7777, 59.1325 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 51.6041, 46.7777, 59.1325 by changing the saturation by 10% instead.



51.6041, 46.7777,  
59.1325

51.6041, 46.7777,  
59.1325

383.2554,  
373.9265, 439.1083

36.9126, 32.8600,  
42.2991

91.7248, 85.3817,  
105.1012

25.3132, 22.0192,  
29.0082

117.8847,  
110.8367, 135.0736

16.4405, 13.8710,  
18.8414

148.5981,  
140.9064, 170.2627

9.9292, 8.0310,  
11.3801

184.2304,  
175.9749, 211.0871

5.4140, 4.1148,  
6.2057

225.1469,  
216.4268, 257.9654

2.5294, 1.7380,  
2.8998

271.7130,

0.9101, 0.4481,

262.6464, 311.3159

1.0437

324.2941,  
315.0182, 371.5574

■ 0.0000, 0.0000,  
0.0000

■ 51.6041, 46.7777,  
59.1325

■ 51.6041, 46.7777,  
59.1325

■ 47.1002, 39.1232,  
53.4577

■ 56.7952, 55.7355,  
65.2525

■ 43.2481, 32.7041,  
48.2116

■ 62.6985, 66.0478,  
71.8274

■ 40.0153, 27.4560,  
43.3807

■ 69.3430, 77.7706,  
78.8705

■ 37.3648, 23.3059,  
38.9493

■ 76.7547, 90.9551,  
86.3934

■ 35.2555, 20.1726,  
34.9005

■ 77.8870, 91.5073,  
92.0500

■ 33.6406, 17.9636,  
31.2151

■ 79.0039, 91.9541,  
97.9312

■ 32.4648, 16.5695,  
27.8713

■ 80.1678, 92.4197,  
104.0607

■ 31.6302, 15.7956,  
24.8328

■ 80.9616, 92.7372,  
108.2407

■ 31.6155, 15.7827,  
24.7771

# Harmonies

## Analogous

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



49.1366, 46.7777, 69.2495



51.6041, 46.7777, 59.1325



52.1038, 46.7777, 48.0159

# Triad

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



51.6041, 46.7777, 59.1325



43.4302, 46.7777, 32.8790



38.9524, 46.7777, 65.0082

# Complementary

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



51.6041, 46.7777, 59.1325



48.8798, 59.1370, 54.7399

# 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.



37.6043, 46.7777, 53.9658



51.6041, 46.7777, 59.1325



40.0915, 46.7777, 36.1696

# Square

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



51.6041, 46.7777, 59.1325



47.2385, 46.7777, 33.8532



38.0091, 46.7777, 43.5288



41.7941, 46.7777, 72.9647



# Rectangle

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



51.6041, 46.7777, 59.1325



51.2284, 46.7777, 41.6697



38.0091, 46.7777, 43.5288



38.3171, 46.7777, 61.4763

# Sweetspot

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



51.6055, 46.7798, 59.1335



89.4944, 90.2767, 102.7692



46.1956, 43.7823, 68.3040



19.0313, 19.1064, 21.8573



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.



51.6055, 46.7798, 59.1335



75.2154, 65.6459, 85.9031



49.3939, 45.8952, 47.4877



12.7560, 12.5539, 14.6552



19.5670, 9.7631, 15.5557



1.2190, 0.6044, 1.1427



# Inverse Universe

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



51.6055, 46.7798, 59.1335



75.2154, 65.6459, 85.9031



51.2267, 60.0758, 67.0984



12.7560, 12.5539, 14.6552



19.5670, 9.7631, 15.5557



1.2190, 0.6044, 1.1427



# Previews

## White Background



This preview shows how the XYZ color 51.6041, 46.7777, 59.1325 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

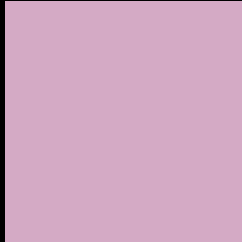
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.6041, 46.7777, 59.1325 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

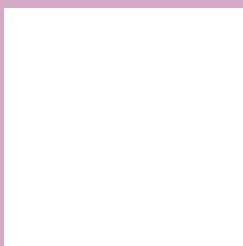
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 51.6041, 46.7777, 59.1325**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.6041, 46.7777, 59.1325.



This preview shows how white text looks on a background with the XYZ color 51.6041, 46.7777,



# 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

51.6041, 46.7777, 59.1325

### Protanopia

46.0134, 46.9911, 63.7718

### Deuteranopia

47.9341, 46.8991, 58.7506



## Tritanopia

50.0878, 46.7095, 52.2749

# Trichromacy



## Original Color

51.6041, 46.7777, 59.1325

## Protanomaly

47.7506, 46.7377, 61.7629

## Deuteranomaly

49.1873, 46.6751, 58.6413

## Tritanomaly

50.6122, 46.6488, 54.4807

# Monochromacy



## Original Color

51.6041, 46.7777, 59.1325

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

48.1212, 47.9623, 55.4366

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.6041, 46.7777, 59.1325 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, 170, 197)` looks like.

```
.text, #text, p{  
    color:rgb(212, 170, 197)  
}
```

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, 170, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 170, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 51.6041, 46.7777, 59.1325 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, 170, 197) }
```



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

```
.border{ border-color:rgb(212, 170, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 170, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 170, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 170, 197);  
box-shadow:4px 4px 4px 4px rgb(212, 170,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.6041, 46.7777, 59.1325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 170, 197) }
```

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

```
.background{ background-color: rgb(212,  
170, 197) }
```

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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