

# Converting Colors

XYZ(53.2235, 47.3457, 71.3033)

Have a look what the booklet for  
XYZ(53.2235, 47.3457, 71.3033)  
contains.

<b>XYZ(53.3477, 47.4090, 71.3049)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(53.3477, 47.4090,  
71.3049)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D2AAD8
RGB	210, 170, 216
RGB Percent	82%, 67%, 85%
CMY	0.1765, 0.3333, 0.1529
CMYK	0.03, 0.21, 0.00, 0.15
HSL	292°, 37%, 76%
HSV	292°, 21%, 85%
XYZ	53.3477, 47.4090, 71.3049
YIQ	187.2040, 9.0740, 22.7860

# Conversions

## Conversions Part 2

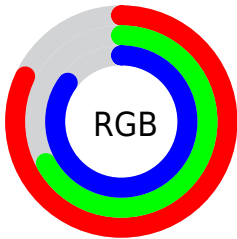
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 170, 216
Decimal	13806296
CIE Lab	74.45, 22.57, -17.73
CIE LCh	74, 28.700, 321.845
Yxy	47.4090, 0.3101, 0.2755
Android (android.graphics.Color)	4291996376 (0xFFD2AAD8)
YUV	187.2040, 14.1964, 19.9921
Hunter-Lab	68.8542, 17.8056, -13.2024

# Details

The XYZ color **53.3477, 47.4090, 71.3049** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.7179, 61.2454, 47.2338**, and the grayscale version is **47.2692, 49.7309, 54.1570**.

A 20% lighter version of the original color is **86.4864, 82.8727, 106.0455**, and **26.4290, 22.4986, 36.6679** is the 20% darker color. If you saturate the color by 10%, you get **48.8318, 39.5568, 70.0280**, and if you desaturate by 10%, it is **58.5459, 56.6030, 72.8063**.

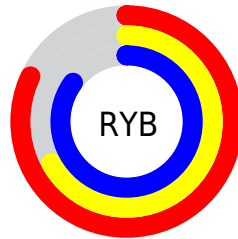
# Distribution



Red (82%)

Green (67%)

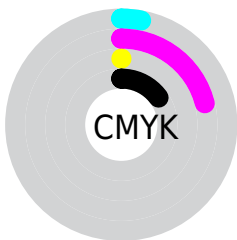
Blue (85%)



Red (82%)

Yellow (67%)

Blue (85%)

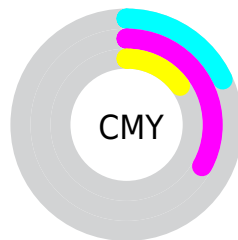


Cyan (3%)

Magenta (21%)

Yellow (0%)

Black (15%)



Cyan (18%)

Magenta (33%)

Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.3477, 47.4090, 71.3049 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 53.3477, 47.4090, 71.3049 by changing the saturation by 10% instead.




 53.3477, 47.4090,  
71.3049


 53.3477, 47.4090,  
71.3049

389.8567,  
376.4447, 484.0309

 38.3090, 33.3591,  
52.1077


 94.2783, 86.3238,  
122.7663

 26.4009, 22.4017,  
36.7081


 120.9010,  
111.9575, 155.8675

 17.2580, 14.1523,  
24.6875

152.1156,  
142.2213, 194.4405

 10.5151, 8.2267,  
15.6275

188.2877,  
177.4995, 238.9038

 5.8067, 4.2404,  
9.1095

229.7824,  
218.1765, 289.6760

 2.7674, 1.8089,  
4.7149

276.9653,

 1.0320, 0.4927,

264.6368, 347.1755

2.0252

330.2016,  
317.2648, 411.8210

■ 0.0000, 0.0000,  
0.5707

■ 0.0000, 0.0000,  
0.0000

■ 53.3477, 47.4090,  
71.3049

■ 53.3477, 47.4090,  
71.3049

■ 48.8318, 39.5568,  
70.0280

■ 58.5459, 56.6030,  
72.8063

■ 44.9613, 32.9754,  
68.9617

■ 64.4523, 67.1933,  
74.5391

■ 41.7024, 27.5965,  
68.0952

■ 71.0968, 79.2386,  
76.5139

■ 39.0164, 23.3427,  
67.4157

■ 78.0564, 91.8927,  
78.5895

36.8601, 20.1278,  
66.9088

78.9229, 92.3395,  
78.6301

35.1841, 17.8530,  
66.5580

79.8039, 92.7936,  
78.6713

33.9292, 16.4001,  
66.3438

80.6995, 93.2553,  
78.7132

33.0908, 15.6271,  
66.2387

81.6097, 93.7245,  
78.7558

82.5345, 94.2013,  
78.7991

# Harmonies

## Analogous

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



48.8661, 47.4090, 82.8497



53.3477, 47.4090, 71.3049



55.6468, 47.4090, 55.7695

# Triad

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



53.3477, 47.4090, 71.3049



46.4872, 47.4090, 28.2360



36.4408, 47.4090, 62.9679

# Complementary

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



53.3477, 47.4090, 71.3049



49.7179, 61.2454, 47.2338

# 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.



35.9105, 47.4090, 47.6823



53.3477, 47.4090, 71.3049



41.4585, 47.4090, 29.4285

# Square

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



53.3477, 47.4090, 71.3049



51.4925, 47.4090, 32.2964



37.6799, 47.4090, 35.9394



39.1884, 47.4090, 77.4306



# Rectangle

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



53.3477, 47.4090, 71.3049



55.5188, 47.4090, 45.9885



37.6799, 47.4090, 35.9394



36.0063, 47.4090, 57.6942

# Sweetspot

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



53.3492, 47.4110, 71.3059



89.6314, 90.2471, 107.3031



44.5258, 44.6092, 71.2302



19.0636, 19.0993, 22.9317



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.



53.3492, 47.4110, 71.3059



74.3126, 63.1427, 102.8788



53.0195, 47.4802, 60.4857



12.7863, 12.5467, 15.6854



19.6514, 9.2832, 39.2092



1.2306, 0.5833, 2.3670



# Inverse Universe

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



50.5318, 46.4852, 47.3860



69.4911, 61.5735, 61.2551



50.0905, 61.2412, 56.1216



12.4885, 12.4469, 13.2469



16.9095, 8.7001, 1.5617



1.0420, 0.5336, 0.2105



# Previews

## White Background



This preview shows how the XYZ color 53.3477, 47.4090, 71.3049 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

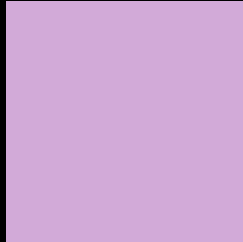
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.3477, 47.4090, 71.3049 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

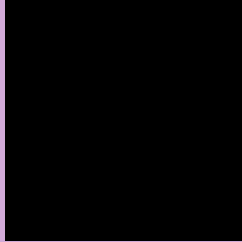
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.3477, 47.4090, 71.3049**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.3477, 47.4090, 71.3049.



This preview shows how white text looks on a background with the XYZ color 53.3477, 47.4090,



# 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

53.3477, 47.4090, 71.3049

### Protanopia

47.6381, 47.8364, 77.2436

### Deuteranopia

48.5074, 47.5343, 70.2368



## Tritanopia

49.9689, 47.4559, 54.6704

# Trichromacy



## Original Color

53.3477, 47.4090, 71.3049

## Protanomaly

49.4651, 47.6260, 74.9923

## Deuteranomaly

50.2968, 47.5591, 70.8189

## Tritanomaly

50.9845, 47.2761, 60.4708

# Monochromacy



## Original Color

53.3477, 47.4090, 71.3049

## Achromatopsia

47.2335, 49.6933, 54.1160

## Achromatomaly

49.2226, 48.7271, 60.2370

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.3477, 47.4090, 71.3049 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(210, 170, 216)` looks like.

```
.text, #text, p{  
    color:rgb(210, 170, 216)  
}
```

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(210, 170, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 170, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 53.3477, 47.4090, 71.3049 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(210, 170, 216) }
```



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

```
.border{ border-color:rgb(210, 170, 216) }
```

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

Here you see how a box with a 4 pixel rgb(210, 170, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 170, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 170, 216);  
box-shadow:4px 4px 4px 4px rgb(210, 170,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.3477, 47.4090, 71.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 170, 216) }
```

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

```
.background{ background-color: rgb(210,  
170, 216) }
```

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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