

# Converting Colors

XYZ(54.0043, 49.7123, 66.0550)

Have a look what the booklet for  
XYZ(54.0043, 49.7123, 66.0550)  
contains.

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# Color

**XYZ(53.9392, 49.5527,  
65.7532)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D4B0CF
RGB	212, 176, 207
RGB Percent	83%, 69%, 81%
CMY	0.1686, 0.3098, 0.1882
CMYK	0.00, 0.17, 0.02, 0.17
HSL	308°, 30%, 76%
HSV	308°, 17%, 83%
XYZ	53.9392, 49.5527, 65.7532
YIQ	190.2980, 11.5050, 17.2730

# Conversions

## Conversions Part 2

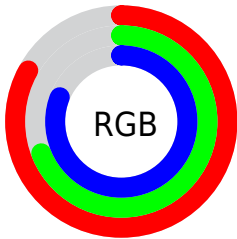
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 176, 207
Decimal	13938895
CIE Lab	75.79, 18.30, -10.78
CIE LCh	76, 21.239, 329.484
Yxy	49.5527, 0.3187, 0.2928
Android (android.graphics.Color)	4292128975 (0xFFD4B0CF)
YUV	190.2980, 8.2341, 19.0327
Hunter-Lab	70.3937, 13.5868, -6.1059

# Details

The XYZ color **53.9392, 49.5527, 65.7532** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.7904, 59.6547, 52.6091**, and the grayscale version is **49.0659, 51.6211, 56.2154**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **26.7374, 23.6339, 33.2896** is the 20% darker color. If you saturate the color by 10%, you get **49.7465, 41.7373, 62.5963**, and if you desaturate by 10%, it is **58.7907, 58.6734, 69.1640**.

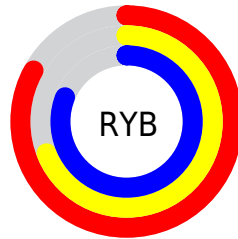
# Distribution



Red (83%)

Green (69%)

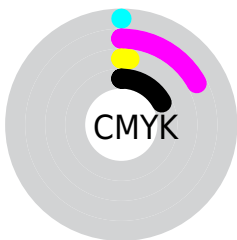
Blue (81%)



Red (83%)

Yellow (69%)

Blue (81%)

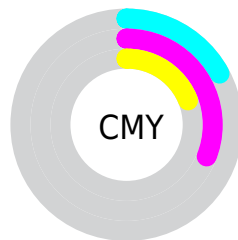


Cyan (0%)

Magenta (17%)

Yellow (2%)

Black (17%)



Cyan (17%)

Magenta (31%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.9392, 49.5527, 65.7532 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 53.9392, 49.5527, 65.7532 by changing the saturation by 10% instead.





 53.9392, 49.5527,  
65.7532

 53.9392, 49.5527,  
65.7532

392.0803,  
384.9141, 463.8738

 38.7835, 35.0581,  
47.6169


 95.1424, 89.5118,  
114.7557

 26.7713, 23.7076,  
33.1657


121.9206,  
115.7451, 146.4589

 17.5373, 15.1169,  
21.9813


153.3037,  
146.6601, 183.5214

 10.7160, 8.9015,  
13.6450

189.6571,  
182.6411, 226.3619

 5.9420, 4.6770,  
7.7382

231.3461,  
224.0727, 275.3989

 2.8502, 2.0590,  
3.8425

278.7360,

 1.0750, 0.6414,

271.3391, 331.0508

1.5394

332.1923,  
324.8248, 393.7363

■ 0.0041, 0.0000,  
0.2470

■ 0.0000, 0.0000,  
0.0000

■ 53.9392, 49.5527,  
65.7532

■ 53.9392, 49.5527,  
65.7532

■ 49.7465, 41.7373,  
62.5963

■ 58.7907, 58.6734,  
69.1640

■ 46.1780, 35.1606,  
59.6799

■ 64.3247, 69.1490,  
72.8350

■ 43.2029, 29.7599,  
56.9940

■ 70.5692, 81.0346,  
76.7763

■ 40.7857, 25.4646,  
54.5267

■ 75.6691, 90.6202,  
80.3698

■ 38.8873, 22.1961,  
52.2648

■ 76.0598, 90.7765,  
82.4273

■ 37.4633, 19.8661,  
50.1932

■ 76.4574, 90.9355,  
84.5212

■ 36.4618, 18.3707,  
48.2945

■ 76.8620, 91.0973,  
86.6516

■ 35.8146, 17.5736,  
46.5458

■ 77.2735, 91.2619,  
88.8186

■ 35.6525, 17.3975,  
46.0349

■ 77.6920, 91.4293,  
91.0224

# Harmonies

## Analogous

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



50.9308, 49.5527, 75.1582



53.9392, 49.5527, 65.7532



55.0971, 49.5527, 54.1505

# Triad

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



53.9392, 49.5527, 65.7532



47.1668, 49.5527, 35.0180



40.7997, 49.5527, 65.3670

# Complementary

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



53.9392, 49.5527, 65.7532



49.7904, 59.6547, 52.6091

# 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.



39.9139, 49.5527, 53.7589



53.9392, 49.5527, 65.7532



43.4632, 49.5527, 37.1686

# Square

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



53.9392, 49.5527, 65.7532



51.0557, 49.5527, 37.3215



40.8618, 49.5527, 43.6590



43.3510, 49.5527, 74.9142



# Rectangle

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



53.9392, 49.5527, 65.7532



54.6166, 49.5527, 47.0289



40.8618, 49.5527, 43.6590



40.3038, 49.5527, 61.5286

# Sweetspot

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



53.9407, 49.5549, 65.7543



90.8327, 92.0196, 106.0940



46.4203, 45.6062, 68.6445



19.3197, 19.4651, 22.6258



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.



53.9407, 49.5549, 65.7543



79.7631, 71.2178, 98.2808



51.8855, 48.7328, 54.9318



12.8754, 12.6016, 15.2840



22.0376, 10.7514, 28.5658



1.3501, 0.6568, 1.8330



# Inverse Universe

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



53.9407, 49.5549, 65.7543



79.7631, 71.2178, 98.2808



51.7353, 60.4327, 62.8507



12.8754, 12.6016, 15.2840



22.0376, 10.7514, 28.5658

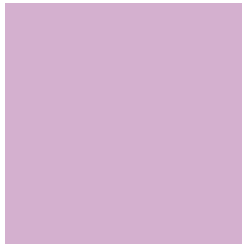


1.3501, 0.6568, 1.8330



# Previews

## White Background



This preview shows how the XYZ color 53.9392, 49.5527, 65.7532 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

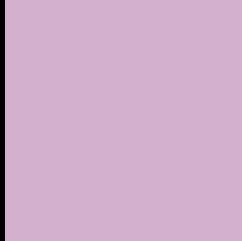
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.9392, 49.5527, 65.7532 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 53.9392, 49.5527, 65.7532**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.9392, 49.5527, 65.7532.



This preview shows how white text looks on a background with the XYZ color 53.9392, 49.5527,



# 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

53.9392, 49.5527, 65.7532

### Protanopia

48.8606, 49.8670, 70.0009

### Deuteranopia

50.6335, 49.6479, 65.3068



## Tritanopia

52.0132, 49.3482, 56.6529

# Trichromacy



## Original Color

53.9392, 49.5527, 65.7532

## Protanomaly

50.4781, 49.4965, 68.5213

## Deuteranomaly

51.8190, 49.6553, 65.2458

## Tritanomaly

52.6642, 49.3244, 59.5682

# Monochromacy



## Original Color

53.9392, 49.5527, 65.7532

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

50.6015, 50.6892, 59.3416

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.9392, 49.5527, 65.7532 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, 176, 207)` looks like.

```
.text, #text, p{  
    color:rgb(212, 176, 207)  
}
```

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, 176, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 176, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 53.9392, 49.5527, 65.7532 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, 176, 207) }
```



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

```
.border{ border-color:rgb(212, 176, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 176, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 176, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 176, 207); box-shadow:4px 4px 4px 4px rgb(212, 176, 207) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.9392, 49.5527, 65.7532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 176, 207) }
```

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

```
.background{ background-color: rgb(212,  
176, 207) }
```

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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