

# Converting Colors

XYZ(54.2461, 50.4383, 65.2777)

Have a look what the booklet for  
XYZ(54.2461, 50.4383, 65.2777)  
contains.

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# Color

**XYZ(54.2124, 50.2941,  
65.2429)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D4B2CE
RGB	212, 178, 206
RGB Percent	83%, 70%, 81%
CMY	0.1686, 0.3019, 0.1922
CMYK	0.00, 0.16, 0.03, 0.17
HSL	311°, 28%, 76%
HSV	311°, 16%, 83%
XYZ	54.2124, 50.2941, 65.2429
YIQ	191.3580, 11.2760, 15.9160

# Conversions

## Conversions Part 2

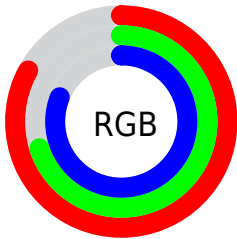
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 178, 206
Decimal	13939406
CIE Lab	76.25, 17.03, -9.56
CIE LCh	76, 19.531, 330.691
Yxy	50.2941, 0.3194, 0.2963
Android (android.graphics.Color)	4292129486 (0xFFD4B2CE)
YUV	191.3580, 7.2185, 18.1030
Hunter-Lab	70.9183, 12.3444, -4.9023

# Details

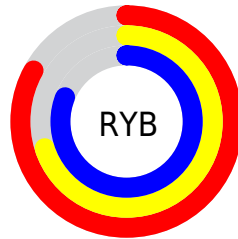
The XYZ color **54.2124, 50.2941, 65.2429** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.5574, 60.0142, 54.2696**, and the grayscale version is **49.6851, 52.2726, 56.9249**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **26.9057, 24.1023, 32.9399** is the 20% darker color. If you saturate the color by 10%, you get **49.8672, 42.3218, 61.5788**, and if you desaturate by 10%, it is **59.2233, 59.5789, 69.1834**.

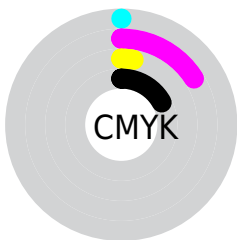
# Distribution



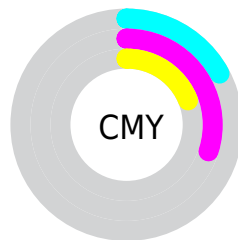
- Red (83%)
- Green (70%)
- Blue (81%)



- Red (83%)
- Yellow (70%)
- Blue (81%)



- Cyan (0%)
- Magenta (16%)
- Yellow (3%)
- Black (17%)



- Cyan (17%)
- Magenta (30%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.2124, 50.2941, 65.2429 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 54.2124, 50.2941, 65.2429 by changing the saturation by 10% instead.




 54.2124, 50.2941,  
65.2429

 54.2124, 50.2941,  
65.2429

393.1046,  
387.8149, 461.9944

 39.0028, 35.6471,  
47.2055

 95.5411, 90.6105,  
114.0156

 26.9427, 24.1618,  
32.8426


122.3910,  
117.0487, 145.5880

 17.6665, 15.4537,  
21.7358


153.8516,  
148.1861, 182.5091

 10.8091, 9.1384,  
13.4664

190.2885,  
184.4071, 225.1975

 6.0049, 4.8316,  
7.6160

232.0668,  
226.0961, 274.0716

 2.8888, 2.1488,  
3.7660

279.5521,

 1.0952, 0.6918,

273.6374, 329.5502

1.4979

333.1095,  
327.4156, 392.0516

■ 0.0211, 0.0000,  
0.2163

■ 0.0000, 0.0000,  
0.0000

■ 54.2124, 50.2941,  
65.2429

■ 54.2124, 50.2941,  
65.2429

■ 49.8672, 42.3218,  
61.5788

■ 59.2233, 59.5789,  
69.1834

■ 46.1532, 35.5956,  
58.1776

■ 64.9234, 70.2254,  
73.4069

■ 43.0398, 30.0533,  
55.0293

■ 71.3405, 82.2884,  
77.9234

■ 40.4918, 25.6250,  
52.1217

■ 75.9587, 90.7360,  
81.8949

■ 38.4704, 22.2329,  
49.4415

■ 76.4629, 90.9377,  
84.5498

■ 36.9317, 19.7897,  
46.9738

■ 76.9782, 91.1438,  
87.2636

■ 35.8248, 18.1934,  
44.7012

■ 77.5048, 91.3545,  
90.0366

■ 35.0861, 17.3169,  
42.6020

■ 78.0428, 91.5697,  
92.8693

■ 34.8488, 17.0761,  
41.8024

■ 78.5921, 91.7894,  
95.7620

# Harmonies

## Analogous

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



51.4894, 50.2941, 74.0066



54.2124, 50.2941, 65.2429



55.1984, 50.2941, 54.5188

# Triad

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



54.2124, 50.2941, 65.2429



47.7181, 50.2941, 36.9647



41.9977, 50.2941, 65.7177

# Complementary

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



54.2124, 50.2941, 65.2429



50.5574, 60.0142, 54.2696

# 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.



41.0996, 50.2941, 55.0054



54.2124, 50.2941, 65.2429



44.2970, 50.2941, 39.1808

# Square

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



54.2124, 50.2941, 65.2429



51.3349, 50.2941, 38.9865



41.9199, 50.2941, 45.4679



44.4370, 50.2941, 74.3044



# Rectangle

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



54.2124, 50.2941, 65.2429



54.7004, 50.2941, 47.9384



41.9199, 50.2941, 45.4679



41.5113, 50.2941, 62.2036

# Sweetspot

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



54.2139, 50.2963, 65.2440



90.7563, 91.9891, 105.6918



47.4937, 46.7461, 68.8080



19.3011, 19.4576, 22.5278



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.



54.2139, 50.2963, 65.2440



80.1475, 72.3493, 97.2908



52.2951, 49.5288, 55.1400



12.8546, 12.5933, 15.1744



21.5470, 10.5551, 25.9822



1.3249, 0.6467, 1.7000



# Inverse Universe

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



54.2139, 50.2963, 65.2440



80.1475, 72.3493, 97.2908



52.4088, 60.7548, 64.0192



12.8546, 12.5933, 15.1744



21.5470, 10.5551, 25.9822

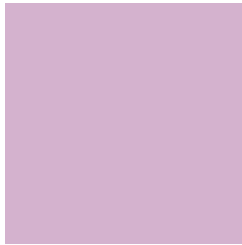


1.3249, 0.6467, 1.7000



# Previews

## White Background



This preview shows how the XYZ color 54.2124, 50.2941, 65.2429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

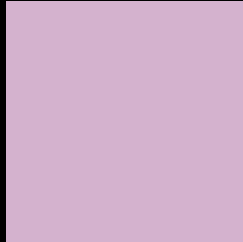
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.2124, 50.2941, 65.2429 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

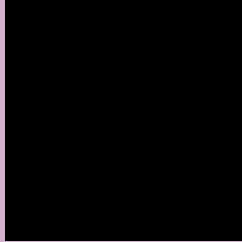
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.2124, 50.2941, 65.2429**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.2124, 50.2941, 65.2429.



This preview shows how white text looks on a background with the XYZ color 54.2124, 50.2941,

65.2429.

# 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

54.2124, 50.2941, 65.2429

### Protanopia

49.6616, 50.6084, 69.4383

### Deuteranopia

51.5061, 50.4169, 64.7744



## Tritanopia

52.6372, 50.2392, 57.9618

# Trichromacy



## Original Color

54.2124, 50.2941, 65.2429

## Protanomaly

51.2790, 50.5362, 68.0245

## Deuteranomaly

52.4452, 50.2929, 64.7009

## Tritanomaly

53.1771, 50.1663, 60.3064

# Monochromacy



## Original Color

54.2124, 50.2941, 65.2429

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

51.0759, 51.2454, 59.4239

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.2124, 50.2941, 65.2429 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, 178, 206) looks like.

```
.text, #text, p{  
    color:rgb(212, 178, 206)  
}
```

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, 178, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 178, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 54.2124, 50.2941, 65.2429 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, 178, 206) }
```



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

```
.border{ border-color:rgb(212, 178, 206) }
```

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

Here you see how a box with a 4 pixel rgb(212, 178, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 178, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 178, 206);  
box-shadow:4px 4px 4px 4px rgb(212, 178,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.2124, 50.2941, 65.2429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 178, 206) }
```

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

```
.background{ background-color: rgb(212,  
178, 206) }
```

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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