

# Converting Colors

XYZ(58.8743, 55.2901, 69.6114)

Have a look what the booklet for  
XYZ(58.8743, 55.2901, 69.6114)  
contains.

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# Color

**XYZ(58.8674, 55.3542,  
69.8691)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBBBD4
RGB	219, 187, 212
RGB Percent	86%, 73%, 83%
CMY	0.1412, 0.2666, 0.1686
CMYK	0.00, 0.15, 0.03, 0.14
HSL	313°, 31%, 80%
HSV	313°, 15%, 86%
XYZ	58.8674, 55.3542, 69.8691
YIQ	199.4180, 11.0470, 14.5590

# Conversions

## Conversions Part 2

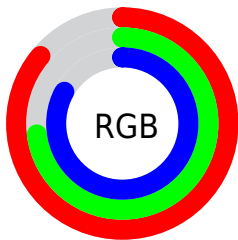
Format	Color
R <sub>Y</sub> B	219, 187, 212
Decimal	14400468
CIE Lab	79.24, 15.66, -8.29
CIE LCh	79, 17.723, 332.107
Yxy	55.3542, 0.3198, 0.3007
Android (android.graphics.Color)	4292590548 (0xFFDDBBD4)
YUV	199.4180, 6.2029, 17.1734
Hunter-Lab	74.4004, 11.0328, -3.5987

# Details

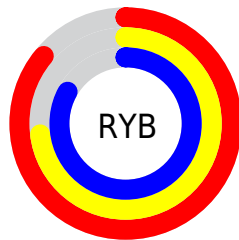
The XYZ color **58.8674, 55.3542, 69.8691** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **55.5648, 65.1244, 60.6837**, and the grayscale version is **54.5019, 57.3402, 62.4435**.

A 20% lighter version of the original color is **91.3406, 92.5812, 107.6635**, and **29.9207, 27.3770, 35.6056** is the 20% darker color. If you saturate the color by 10%, you get **53.9760, 46.5237, 65.3012**, and if you desaturate by 10%, it is **64.4884, 65.6137, 74.7700**.

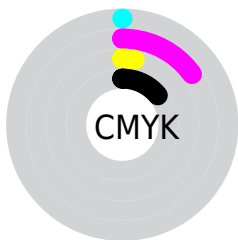
# Distribution



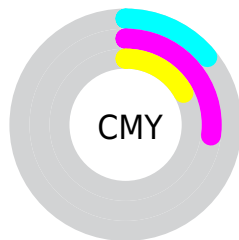
- Red (86%)
- Green (73%)
- Blue (83%)



- Red (86%)
- Yellow (73%)
- Blue (83%)



- Cyan (0%)
- Magenta (15%)
- Yellow (3%)
- Black (14%)




- Cyan (14%)
- Magenta (27%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8674, 55.3542, 69.8691 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 58.8674, 55.3542, 69.8691 by changing the saturation by 10% instead.




 58.8674, 55.3542,  
69.8691

 58.8674, 55.3542,  
69.8691


410.3123,  
407.2532, 478.8670

 42.7523, 39.6854,  
50.9437


 102.3006, 98.0597,  
120.7014

 29.8845, 27.2933,  
35.7874


130.3496,  
125.8652, 153.4454

 19.8986, 17.7936,  
23.9816


163.1071,  
158.4850, 191.6327

 12.4292, 10.8019,  
15.1079

200.9387,  
196.3036, 235.6818

 7.1110, 5.9338,  
8.7477

244.2097,  
239.7053, 286.0112

 3.5785, 2.8049,  
4.4824

293.2853,

 1.4666, 1.0307,

289.0745, 343.0395

1.8936

348.5311,  
344.7957, 407.1852

■ 0.3029, 0.0000,  
0.4886

■ 0.0000, 0.0000,  
0.0000

■ 58.8674, 55.3542,  
69.8691

■ 58.8674, 55.3542,  
69.8691

■ 53.9760, 46.5237,  
65.3012

■ 64.4884, 65.6137,  
74.7700

■ 49.7774, 39.0509,  
61.0513

■ 70.8643, 77.3548,  
80.0111

■ 46.2384, 32.8692,  
57.1083

■ 78.0252, 90.6366,  
85.6039

■ 43.3214, 27.9037,  
53.4589

■ 79.4211, 92.3592,  
89.3657

40.9850, 24.0717,  
50.0884

80.1080, 92.6339,  
92.9826

39.1825, 21.2799,  
46.9804

80.8135, 92.9161,  
96.6979

37.8598, 19.4204,  
44.1162

81.5378, 93.2059,  
100.5123

36.9508, 18.3617,  
41.4730

82.2812, 93.5032,  
104.4265

36.5729, 18.0039,  
40.1197

83.0238, 93.8003,  
108.3372

# Harmonies

## Analogous

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



56.3178, 55.3542, 78.3581



58.8674, 55.3542, 69.8691



59.7197, 55.3542, 59.5566

# Triad

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



58.8674, 55.3542, 69.8691



52.3624, 55.3542, 42.7979



47.0493, 55.3542, 71.2495

# Complementary

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



58.8674, 55.3542, 69.8691



55.5648, 65.1244, 60.6837

# 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.



46.0928, 55.3542, 60.9917



58.8674, 55.3542, 69.8691



49.0734, 55.3542, 45.2068

# Square

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



58.8674, 55.3542, 69.8691



55.8649, 55.3542, 44.6170



46.8172, 55.3542, 51.5954



49.4888, 55.3542, 79.2159



# Rectangle

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



58.8674, 55.3542, 69.8691



59.1812, 55.3542, 53.2216



46.8172, 55.3542, 51.5954



46.5488, 55.3542, 67.9176

# Sweetspot

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



58.8690, 55.3566, 69.8703



91.5247, 93.5210, 105.9627



52.7899, 52.1185, 74.2962



19.4523, 19.7647, 22.5640



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.



58.8690, 55.3566, 69.8703



80.5400, 73.5000, 96.2946



56.9571, 54.5918, 59.8021



13.4861, 13.2235, 15.8209



21.7281, 10.6923, 24.0118



1.4385, 0.7050, 1.7180



# Inverse Universe

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



58.8690, 55.3566, 69.8703



80.5400, 73.5000, 96.2946



57.4515, 65.8791, 70.6187



13.4861, 13.2235, 15.8209



21.7281, 10.6923, 24.0118



1.4385, 0.7050, 1.7180



# Previews

## White Background



This preview shows how the XYZ color 58.8674, 55.3542, 69.8691 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

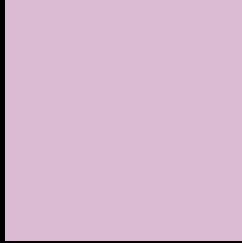
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.8674, 55.3542, 69.8691 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 58.8674, 55.3542, 69.8691**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.8674, 55.3542, 69.8691.



This preview shows how white text looks on a background with the XYZ color 58.8674, 55.3542,



# 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

58.8674, 55.3542, 69.8691

### Protanopia

54.2876, 55.5093, 73.4987

### Deuteranopia

56.6832, 55.5201, 69.3569



## Tritanopia

57.6762, 55.1837, 64.1116

# Trichromacy



## Original Color

58.8674, 55.3542, 69.8691

## Protanomaly

55.7440, 55.3021, 72.0263

## Deuteranomaly

57.6119, 55.6762, 69.3381

## Tritanomaly

58.0372, 55.3281, 66.0130

# Monochromacy



## Original Color

58.8674, 55.3542, 69.8691

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

55.8678, 56.5117, 65.0900

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.8674, 55.3542, 69.8691 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(219, 187, 212)` looks like.

```
.text, #text, p{  
    color:rgb(219, 187, 212)  
}
```

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(219, 187, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 187, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 58.8674, 55.3542, 69.8691 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(219, 187, 212) }
```



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

```
.border{ border-color:rgb(219, 187, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 187, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 187, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 187, 212);  
box-shadow:4px 4px 4px 4px rgb(219, 187,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.8674, 55.3542, 69.8691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 187, 212) }
```

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

```
.background{ background-color: rgb(219,  
187, 212) }
```

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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