

# Converting Colors

XYZ(59.3895, 55.2965, 70.4947)

Have a look what the booklet for  
XYZ(59.3895, 55.2965, 70.4947)  
contains.

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# Color

**XYZ(59.3879, 55.2941,  
70.4935)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDBAD5
RGB	221, 186, 213
RGB Percent	87%, 73%, 84%
CMY	0.1333, 0.2706, 0.1647
CMYK	0.00, 0.16, 0.04, 0.13
HSL	314°, 34%, 80%
HSV	314°, 16%, 87%
XYZ	59.3879, 55.2941, 70.4935
YIQ	199.5430, 12.1930, 15.8170

# Conversions

## Conversions Part 2

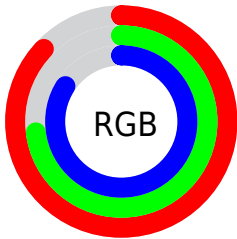
Format	Color
R <sub>Y</sub> B	221, 186, 213
Decimal	14531285
CIE Lab	79.21, 17.06, -8.86
CIE LCh	79, 19.229, 332.554
Yxy	55.2941, 0.3207, 0.2986
Android (android.graphics.Color)	4292721365 (0xFFDDBAD5)
YUV	199.5430, 6.6343, 18.8178
Hunter-Lab	74.3600, 12.4297, -4.1551

# Details

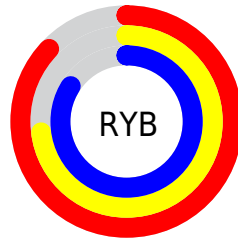
The XYZ color **59.3879, 55.2941, 70.4935** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **55.8459, 66.0485, 60.8472**, and the grayscale version is **54.5755, 57.4177, 62.5278**.

A 20% lighter version of the original color is **91.0421, 91.9843, 107.5640**, and **30.2850, 27.3507, 36.0308** is the 20% darker color. If you saturate the color by 10%, you get **54.4565, 46.4409, 65.7355**, and if you desaturate by 10%, it is **65.0625, 65.6002, 75.5991**.

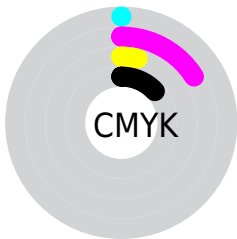
# Distribution



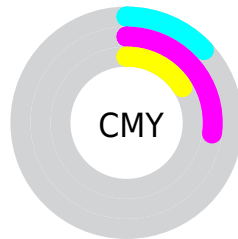
- Red (87%)
- Green (73%)
- Blue (84%)



- Red (87%)
- Yellow (73%)
- Blue (84%)



- Cyan (0%)
- Magenta (16%)
- Yellow (4%)
- Black (13%)




- Cyan (13%)
- Magenta (27%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.3879, 55.2941, 70.4935 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 59.3879, 55.2941, 70.4935 by changing the saturation by 10% instead.




 59.3879, 55.2941,  
70.4935

 59.3879, 55.2941,  
70.4935


412.2089,  
407.0258, 481.1167

 43.1730, 39.6372,  
51.4497


 103.0526, 97.9717,  
121.6000

 30.2160, 27.2558,  
36.1874


131.2332,  
125.7613, 154.4997

 20.1515, 17.7654,  
24.2881


164.1331,  
158.3638, 192.8551

 12.6141, 10.7817,  
15.3333

202.1175,  
196.1638, 237.0848

 7.2385, 5.9203,  
8.9044

245.5520,  
239.5456, 287.6072

 3.6594, 2.7966,  
4.5829

294.8018,

 1.5113, 1.0265,

288.8936, 344.8410

1.9503

350.2323,  
344.5922, 409.2047

■ 0.3335, 0.0000,  
0.5245

■ 0.0000, 0.0000,  
0.0000

■ 59.3879, 55.2941,  
70.4935

■ 59.3879, 55.2941,  
70.4935

■ 54.4565, 46.4409,  
65.7355

■ 65.0625, 65.6002,  
75.5991

■ 50.2304, 38.9673,  
61.3097

■ 71.5066, 77.4138,  
81.0599

■ 46.6753, 32.8045,  
57.2043

■ 78.7510, 90.7954,  
86.8879

■ 43.7525, 27.8750,  
53.4056

■ 80.3170, 92.7875,  
90.9241

41.4188, 24.0929,  
49.8982

81.0501, 93.0807,  
94.7848

39.6257, 21.3615,  
46.6650

81.8041, 93.3823,  
98.7552

38.3166, 19.5681,  
43.6862

82.5791, 93.6923,  
102.8363

37.4218, 18.5732,  
40.9377

83.3753, 94.0108,  
107.0288

37.1204, 18.2928,  
39.8436

83.6291, 94.1123,  
108.3655

# Harmonies

## Analogous

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



56.6317, 55.2941, 79.8579



59.3879, 55.2941, 70.4935



60.2865, 55.2941, 59.2678

# Triad

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



59.3879, 55.2941, 70.4935



52.2268, 55.2941, 41.4463



46.5712, 55.2941, 72.3234

# Complementary

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



59.3879, 55.2941, 70.4935



55.8459, 66.0485, 60.8472

# 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.



45.5152, 55.2941, 61.1537



59.3879, 55.2941, 70.4935



48.6795, 55.2941, 44.0754

# Square

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



59.3879, 55.2941, 70.4935



56.0344, 55.2941, 43.3139



46.2681, 55.2941, 50.9712



49.2234, 55.2941, 81.0016



# Rectangle

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



59.3879, 55.2941, 70.4935



59.6774, 55.2941, 52.4498



46.2681, 55.2941, 50.9712



46.0238, 55.2941, 68.6911

# Sweetspot

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



59.3895, 55.2965, 70.4947



90.6508, 91.9469, 105.1361



52.7538, 51.7554, 75.6167



19.2754, 19.4473, 22.3924



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.



59.3895, 55.2965, 70.4947



79.7616, 72.1950, 95.2590



57.3339, 54.4743, 59.6700



13.4804, 13.2213, 15.7910



21.6086, 10.6445, 23.3828



1.4317, 0.7023, 1.6821



# Inverse Universe

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



59.3895, 55.2965, 70.4947



79.7616, 72.1950, 95.2590



57.8763, 66.8607, 71.5393



13.4804, 13.2213, 15.7910



21.6086, 10.6445, 23.3828

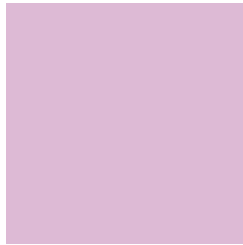


1.4317, 0.7023, 1.6821



# Previews

## White Background



This preview shows how the XYZ color 59.3879, 55.2941, 70.4935 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

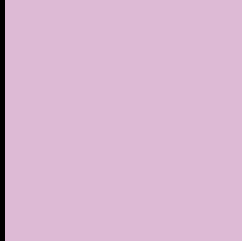
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.3879, 55.2941, 70.4935 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 59.3879, 55.2941, 70.4935**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.3879, 55.2941, 70.4935.



This preview shows how white text looks on a background with the XYZ color 59.3879, 55.2941,



# 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

59.3879, 55.2941, 70.4935

### Protanopia

54.2936, 55.4821, 74.8654

### Deuteranopia

56.5269, 55.4250, 70.0062



## Tritanopia

58.1591, 55.4464, 63.5140

# Trichromacy



## Original Color

59.3879, 55.2941, 70.4935

## Protanomaly

56.0026, 55.4055, 73.3883

## Deuteranomaly

57.5218, 55.2948, 69.9286

## Tritanomaly

58.4261, 55.2125, 65.9702

# Monochromacy



## Original Color

59.3879, 55.2941, 70.4935

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

56.5470, 56.8479, 65.7500

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.3879, 55.2941, 70.4935 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(221, 186, 213)` looks like.

```
.text, #text, p{  
    color:rgb(221, 186, 213)  
}
```

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(221, 186, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 186, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 59.3879, 55.2941, 70.4935 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(221, 186, 213) }
```



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

```
.border{ border-color:rgb(221, 186, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 186, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 186, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 186, 213);  
box-shadow:4px 4px 4px 4px rgb(221, 186,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.3879, 55.2941, 70.4935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 186, 213) }
```

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

```
.background{ background-color: rgb(221,  
186, 213) }
```

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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