

# Converting Colors

XYZ(59.4350, 55.4467, 76.1145)

Have a look what the booklet for  
XYZ(59.4350, 55.4467, 76.1145)  
contains.

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# Color

**XYZ(59.4367, 55.5128,  
75.9890)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9BBDD
RGB	217, 187, 221
RGB Percent	85%, 73%, 87%
CMY	0.1490, 0.2666, 0.1333
CMYK	0.02, 0.15, 0.00, 0.13
HSL	293°, 33%, 80%
HSV	293°, 15%, 87%
XYZ	59.4367, 55.5128, 75.9890
YIQ	199.8460, 6.9660, 16.9340

# Conversions

## Conversions Part 2

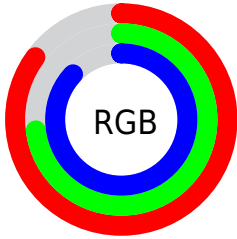
Format	Color
R <sub>Y</sub> B	217, 187, 221
Decimal	14269405
CIE Lab	79.34, 16.64, -13.03
CIE LCh	79, 21.136, 321.938
Yxy	55.5128, 0.3113, 0.2907
Android (android.graphics.Color)	4292459485 (0xFFD9BBDD)
YUV	199.8460, 10.4289, 15.0441
Hunter-Lab	74.5069, 12.0084, -8.3146

# Details

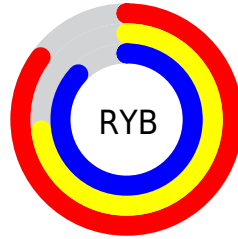
The XYZ color **59.4367, 55.5128, 75.9890** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **56.3140, 66.3786, 56.8608**, and the grayscale version is **54.7412, 57.5920, 62.7177**.

A 20% lighter version of the original color is **91.3406, 92.5812, 107.6635**, and **30.3083, 27.4848, 39.7841** is the 20% darker color. If you saturate the color by 10%, you get **54.3381, 46.4531, 74.5098**, and if you desaturate by 10%, it is **65.2723, 66.0266, 77.7116**.

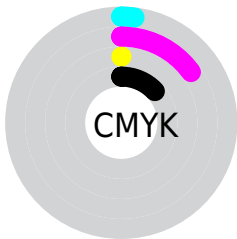
# Distribution



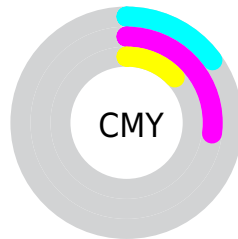
- Red (85%)
- Green (73%)
- Blue (87%)



- Red (85%)
- Yellow (73%)
- Blue (87%)



- Cyan (2%)
- Magenta (15%)
- Yellow (0%)
- Black (13%)



- Cyan (15%)
- Magenta (27%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4367, 55.5128, 75.9890 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 59.4367, 55.5128, 75.9890 by changing the saturation by 10% instead.



■ 59.4367, 55.5128,  
75.9890

■ 59.4367, 55.5128,  
75.9890

412.3864,  
407.8528, 500.6559

■ 43.2125, 39.8124,  
55.9169

■ 103.1231, 98.2919,  
129.4713

■ 30.2471, 27.3923,  
39.7327

131.3160,  
126.1394, 163.7186

■ 20.1752, 17.8681,  
27.0180

164.2291,  
158.8047, 203.5280

■ 12.6315, 10.8553,  
17.3542

202.2279,  
196.6723, 249.3180

■ 7.2505, 5.9696,  
10.3227

245.6777,  
240.1265, 301.5073

■ 3.6670, 2.8266,  
5.5051

294.9438,

■ 1.5155, 1.0419,

289.5517, 360.5144

2.4827

350.3916,  
345.3324, 426.7577

■ 0.3364, 0.0000,  
0.8310

■ 0.0000, 0.0000,  
0.0000

■ 59.4367, 55.5128,  
75.9890

■ 59.4367, 55.5128,  
75.9890

■ 54.3381, 46.4531,  
74.5098

■ 65.2723, 66.0266,  
77.7116

■ 49.9385, 38.7744,  
73.2596

■ 71.8707, 78.0487,  
79.6844

■ 46.2042, 32.4082,  
72.2276

■ 79.2627, 91.6397,  
81.9181

■ 43.0965, 27.2774,  
71.4011

■ 80.6168, 93.1369,  
82.1357

40.5726, 23.2966,  
70.7657

81.4451, 93.5639,  
82.1745

38.5845, 20.3697,  
70.3056

82.2859, 93.9973,  
82.2138

37.0763, 18.3848,  
70.0019

83.1392, 94.4372,  
82.2537

35.9791, 17.2046,  
69.8320

84.0050, 94.8835,  
82.2943

35.5569, 16.8226,  
69.7805

84.8834, 95.3364,  
82.3354

# Harmonies

## Analogous

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



55.8639, 55.5128, 84.7551



59.4367, 55.5128, 75.9890



61.2420, 55.5128, 63.7733

# Triad

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



59.4367, 55.5128, 75.9890



53.9133, 55.5128, 40.1718



45.5657, 55.5128, 69.5807

# Complementary

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



59.4367, 55.5128, 75.9890



56.3140, 66.3786, 56.8608

# 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.



45.1056, 55.5128, 57.2326



59.4367, 55.5128, 75.9890



49.7795, 55.5128, 41.2925

# Square

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



59.4367, 55.5128, 75.9890



57.9435, 55.5128, 43.8812



46.6090, 55.5128, 47.1782



47.9013, 55.5128, 80.7242



# Rectangle

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



59.4367, 55.5128, 75.9890



61.1364, 55.5128, 55.7478



46.6090, 55.5128, 47.1782



45.1918, 55.5128, 65.3968

# Sweetspot

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



59.4384, 55.5152, 75.9902



90.5669, 91.8498, 107.5631



52.2943, 53.2825, 75.9358



19.2548, 19.4236, 22.9842



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.



59.4384, 55.5152, 75.9902



80.1560, 73.1201, 104.4967



59.0418, 55.4956, 67.6207



13.4557, 13.1930, 16.4895



20.7182, 9.8048, 40.5389



1.3858, 0.6577, 2.6283



# Inverse Universe

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



56.9950, 54.6769, 56.8427



76.2666, 71.7907, 73.7912



56.7150, 66.4243, 64.1515



13.1180, 13.0763, 13.8829



17.4520, 8.9819, 1.4945



1.1518, 0.5904, 0.2083



# Previews

## White Background



This preview shows how the XYZ color 59.4367, 55.5128, 75.9890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

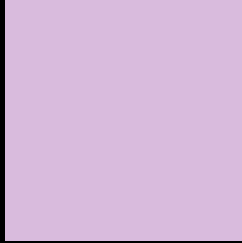
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.4367, 55.5128, 75.9890 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

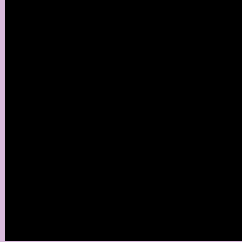
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 59.4367, 55.5128, 75.9890

## Background



This preview shows how black text looks on a background with the XYZ color 59.4367, 55.5128, 75.9890.



This preview shows how white text looks on a background with the XYZ color 59.4367, 55.5128,

75.9890.

# 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

59.4367, 55.5128, 75.9890

### Protanopia

54.7284, 55.5976, 79.7984

### Deuteranopia

56.7259, 55.4080, 75.4152



## Tritanopia

57.4572, 55.6818, 65.4769

# Trichromacy



## Original Color

59.4367, 55.5128, 75.9890

## Protanomaly

56.1236, 55.3605, 78.2486

## Deuteranomaly

57.6262, 55.5495, 75.3950

## Tritanomaly

58.2744, 55.6973, 69.3073

# Monochromacy



## Original Color

59.4367, 55.5128, 75.9890

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

56.3539, 56.7061, 67.6497

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.4367, 55.5128, 75.9890 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(217, 187, 221)` looks like.

```
.text, #text, p{  
    color:rgb(217, 187, 221)  
}
```

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(217, 187, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 187, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 59.4367, 55.5128, 75.9890 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".

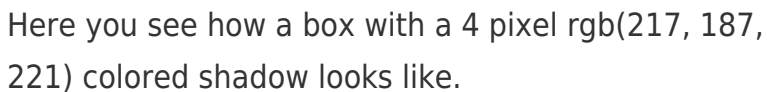
```
.border, #border, table{ border:4px solid rgb(217, 187, 221) }
```



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

```
.border{ border-color:rgb(217, 187, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 187, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 187, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 187, 221); box-shadow:4px 4px 4px 4px rgb(217, 187, 221) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.4367, 55.5128, 75.9890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 187, 221) }
```

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

```
.background{ background-color: rgb(217,  
187, 221) }
```

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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