

# Converting Colors

XYZ(63.3149, 56.6810, 79.5594)

Have a look what the booklet for  
XYZ(63.3149, 56.6810, 79.5594)  
contains.

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# Color

**XYZ(63.3895, 56.8469,  
79.5831)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5B9E2
RGB	229, 185, 226
RGB Percent	90%, 73%, 89%
CMY	0.1020, 0.2745, 0.1137
CMYK	0.00, 0.19, 0.01, 0.10
HSL	304°, 46%, 81%
HSV	304°, 19%, 90%
XYZ	63.3895, 56.8469, 79.5831
YIQ	202.8300, 13.0630, 22.0790

# Conversions

## Conversions Part 2

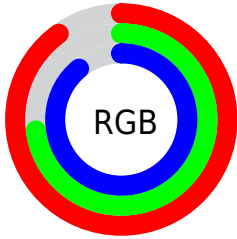
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 185, 226
Decimal	15055330
CIE Lab	80.09, 22.65, -14.48
CIE LCh	80, 26.883, 327.414
Yxy	56.8469, 0.3172, 0.2845
Android (android.graphics.Color)	4293245410 (0xFFE5B9E2)
YUV	202.8300, 11.4228, 22.9511
Hunter-Lab	75.3969, 18.1283, -9.8041

# Details

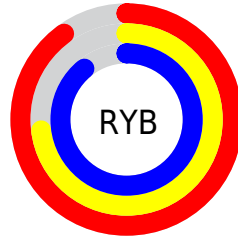
The XYZ color **63.3895, 56.8469, 79.5831** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **57.1062, 69.9854, 58.0787**, and the grayscale version is **56.5844, 59.5312, 64.8295**.

A 20% lighter version of the original color is **90.7453, 91.3906, 107.4651**, and **32.8355, 28.3270, 42.2651** is the 20% darker color. If you saturate the color by 10%, you get **58.7666, 47.9416, 76.9903**, and if you desaturate by 10%, it is **68.7893, 67.3010, 82.4458**.

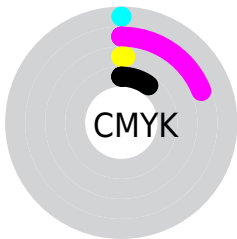
# Distribution



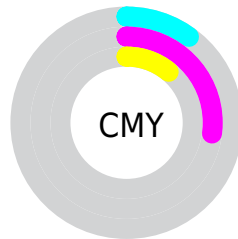
- Red (90%)
- Green (73%)
- Blue (89%)



- Red (90%)
- Yellow (73%)
- Blue (89%)



- Cyan (0%)
- Magenta (19%)
- Yellow (1%)
- Black (10%)




- Cyan (10%)
- Magenta (27%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3895, 56.8469, 79.5831 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 63.3895, 56.8469, 79.5831 by changing the saturation by 10% instead.





 63.3895, 56.8469,  
79.5831

 63.3895, 56.8469,  
79.5831


426.6189,  
412.8754, 513.1964

 46.4162, 40.8823,  
58.8512


 108.8099,  
100.2418, 134.5855

 32.7804, 28.2272,  
42.0741

137.9877,  
128.4408, 169.6931

 22.1167, 18.4970,  
28.8333


171.9645,  
161.4869, 210.4297

 14.0598, 11.3074,  
18.7103

211.1054,  
199.7643, 257.2139

 8.2442, 6.2740,  
11.2864

255.7760,  
243.6575, 310.4640

 4.3047, 3.0124,  
6.1432

306.3415,

 1.8759, 1.1382,

293.5508, 370.5988

2.8622

363.1674,  
349.8286, 438.0368

■ 0.5628, 0.0103,  
1.0247

■ 0.0000, 0.0000,  
0.0000

■ 63.3895, 56.8469,  
79.5831

■ 63.3895, 56.8469,  
79.5831

■ 58.7666, 47.9416,  
76.9903

■ 68.7893, 67.3010,  
82.4458

■ 54.8787, 40.5040,  
74.6515

■ 74.9953, 79.3653,  
85.5862

■ 51.6875, 34.4567,  
72.5545

■ 82.0415, 93.1069,  
89.0164

■ 49.1493, 29.7125,  
70.6847

■ 82.6742, 94.0185,  
90.3184

47.2156, 26.1740,  
69.0259

82.8974, 94.1078,  
91.4937

45.8309, 23.7305,  
67.5596

83.1226, 94.1978,  
92.6794

44.9296, 22.2508,  
66.2640

83.3497, 94.2887,  
93.8755

44.4080, 21.5274,  
65.1044

83.5788, 94.3804,  
95.0820

44.3728, 21.4819,  
65.0153

83.8100, 94.4728,  
96.2991

# Harmonies

## Analogous

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



59.0214, 56.8469, 92.6811



63.3895, 56.8469, 79.5831



65.2374, 56.8469, 63.2659

# Triad

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



63.3895, 56.8469, 79.5831



54.5073, 56.8469, 36.4123



45.2198, 56.8469, 76.8315

# Complementary

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



63.3895, 56.8469, 79.5831



57.1062, 69.9854, 58.0787

# 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.



44.1880, 56.8469, 60.5472



63.3895, 56.8469, 79.5831



49.3306, 56.8469, 38.8174

# Square

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



63.3895, 56.8469, 79.5831



59.8977, 56.8469, 39.8219



45.6426, 56.8469, 47.0462



48.5610, 56.8469, 90.9133



# Rectangle

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



63.3895, 56.8469, 79.5831



64.7043, 56.8469, 53.3100



45.6426, 56.8469, 47.0462



44.6016, 56.8469, 71.3590

# Sweetspot

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



63.3912, 56.8494, 79.5843



90.1943, 90.5567, 106.4550



52.2169, 51.0408, 81.2295



19.1971, 19.1727, 22.7305



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.



63.3912, 56.8494, 79.5843



78.4716, 67.8630, 100.2302



60.5711, 55.7213, 64.7337



14.9505, 14.5974, 17.9395



25.3881, 12.2895, 37.2683



1.8889, 0.9133, 2.8216



# Inverse Universe

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



63.3912, 56.8494, 79.5843



78.4716, 67.8630, 100.2302



59.6534, 71.0043, 71.4923



14.9505, 14.5974, 17.9395



25.3881, 12.2895, 37.2683



1.8889, 0.9133, 2.8216



# Previews

## White Background



This preview shows how the XYZ color 63.3895, 56.8469, 79.5831 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

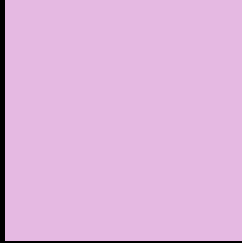
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.3895, 56.8469, 79.5831 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

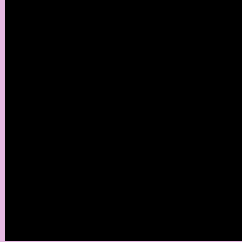
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 63.3895, 56.8469, 79.5831

## Background



This preview shows how black text looks on a background with the XYZ color 63.3895, 56.8469, 79.5831.



This preview shows how white text looks on a background with the XYZ color 63.3895, 56.8469,



# 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

63.3895, 56.8469, 79.5831

### Protanopia

56.5558, 57.0795, 85.8785

### Deuteranopia

58.1999, 57.0872, 78.4725



## Tritanopia

60.4607, 56.9236, 64.9275

# Trichromacy



## Original Color

63.3895, 56.8469, 79.5831

## Protanomaly

58.6706, 56.8886, 83.4896

## Deuteranomaly

59.9530, 56.9940, 79.0752

## Tritanomaly

61.5454, 57.0508, 70.0555

# Monochromacy



## Original Color

63.3895, 56.8469, 79.5831

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

58.6492, 58.1801, 69.7667

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.3895, 56.8469, 79.5831 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(229, 185, 226)` looks like.

```
.text, #text, p{  
    color:rgb(229, 185, 226)  
}
```

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(229, 185, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 185, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 63.3895, 56.8469, 79.5831 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(229, 185, 226) }
```



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

```
.border{ border-color:rgb(229, 185, 226) }
```

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

Here you see how a box with a 4 pixel rgb(229, 185, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 185, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 185, 226);  
box-shadow:4px 4px 4px 4px rgb(229, 185,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.3895, 56.8469, 79.5831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 185, 226) }
```

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

```
.background{ background-color: rgb(229,  
185, 226) }
```

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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