

# Converting Colors

XYZ(63.7723, 53.3460, 83.2093)

Have a look what the booklet for  
XYZ(63.7723, 53.3460, 83.2093)  
contains.

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# Color

**XYZ(63.7700, 53.3755,  
83.2854)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBADE8
RGB	235, 173, 232
RGB Percent	92%, 68%, 91%
CMY	0.0784, 0.3215, 0.0902
CMYK	0.00, 0.26, 0.01, 0.08
HSL	303°, 61%, 80%
HSV	303°, 26%, 92%
XYZ	63.7700, 53.3755, 83.2854
YIQ	198.2640, 18.0130, 31.4930

# Conversions

## Conversions Part 2

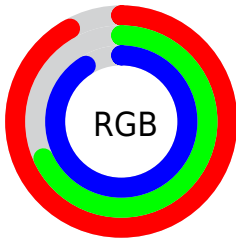
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 173, 232
Decimal	15445480
CIE <sub>Lab</sub>	78.10, 32.13, -20.67
CIE <sub>LCh</sub>	78, 38.209, 327.244
Yxy	53.3755, 0.3182, 0.2663
Android (android.graphics.Color)	4293635560 (0xFFEBADE8)
YUV	198.2640, 16.6318, 32.2175
Hunter-Lab	73.0585, 27.9534, -16.4485

# Details

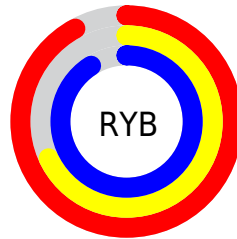
The XYZ color **63.7700, 53.3755, 83.2854** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.7805, 71.4371, 51.9788**, and the grayscale version is **53.7328, 56.5311, 61.5623**.

A 20% lighter version of the original color is **87.3093, 84.5186, 106.3198**, and **32.9130, 26.0325, 44.3644** is the 20% darker color. If you saturate the color by 10%, you get **59.4935, 45.0793, 81.0660**, and if you desaturate by 10%, it is **68.8433, 63.2618, 85.7768**.

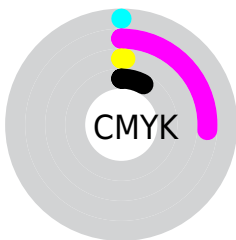
# Distribution



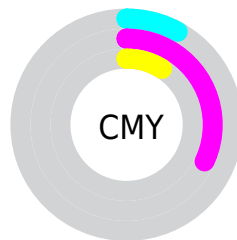
- Red (92%)
- Green (68%)
- Blue (91%)



- Red (92%)
- Yellow (68%)
- Blue (91%)



- Cyan (0%)
- Magenta (26%)
- Yellow (1%)
- Black (8%)



- Cyan (8%)
- Magenta (32%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7700, 53.3755, 83.2854 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 63.7700, 53.3755, 83.2854 by changing the saturation by 10% instead.



63.7700, 53.3755,  
83.2854

63.7700, 53.3755,  
83.2854

427.9740,  
399.7241, 525.9331

46.7254, 38.1026,  
61.8836

109.3552, 95.1567,  
139.8279

33.0257, 26.0623,  
44.5035

138.6265,  
122.4338, 175.8058

22.3054, 16.8703,  
30.7264

172.7042,  
154.4811, 217.4794

14.1994, 10.1420,  
20.1339

211.9534,  
191.6829, 265.2673

8.3421, 5.4932,  
12.3074

256.7397,  
234.4238, 319.5881

4.3682, 2.5395,  
6.8283

307.4283,

1.9125, 0.8963,

283.0880, 380.8603

3.2781

364.3846,  
338.0600, 449.5025

■ 0.5841, 0.0000,  
1.2383

■ 0.0000, 0.0000,  
0.0105

■ 63.7700, 53.3755,  
83.2854

■ 63.7700, 53.3755,  
83.2854

■ 59.4935, 45.0793,  
81.0660

■ 68.8433, 63.2618,  
85.7768

■ 55.9674, 38.2832,  
79.1012

■ 74.7470, 74.8081,  
88.5495

■ 53.1481, 32.8989,  
77.3772

■ 81.5187, 88.0888,  
91.6168

■ 50.9853, 28.8261,  
75.8772

■ 85.2419, 95.2706,  
93.6731

49.4224, 25.9512,  
74.5822

85.4082, 95.3371,  
94.5490

48.3928, 24.1416,  
73.4701

85.5756, 95.4041,  
95.4304

47.8137, 23.2310,  
72.5133

85.7440, 95.4714,  
96.3174

47.6656, 23.0241,  
72.1888

85.9135, 95.5392,  
97.2099

86.0841, 95.6075,  
98.1081

# Harmonies

## Analogous

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



57.5824, 53.3755, 102.8013



63.7700, 53.3755, 83.2854



66.4427, 53.3755, 60.1138

# Triad

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



63.7700, 53.3755, 83.2854



51.4244, 53.3755, 25.9941



39.0225, 53.3755, 79.0135

# Complementary

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



63.7700, 53.3755, 83.2854



54.7805, 71.4371, 51.9788

# 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.



37.7160, 53.3755, 56.1646



63.7700, 53.3755, 83.2854



44.4473, 53.3755, 28.7206

# Square

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



63.7700, 53.3755, 83.2854



58.8915, 53.3755, 29.9725



39.6042, 53.3755, 38.6105



43.3629, 53.3755, 99.9403



# Rectangle

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



63.7700, 53.3755, 83.2854



65.6940, 53.3755, 46.7745



39.6042, 53.3755, 38.6105



38.2337, 53.3755, 71.1588

# Sweetspot

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



63.7717, 53.3778, 83.2865



88.7254, 87.6044, 106.0096



47.6355, 45.0097, 84.7754



18.7525, 18.2843, 22.5796



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.



63.7717, 53.3778, 83.2865



73.6810, 58.2690, 98.6725



59.8592, 51.8129, 62.6839



15.6815, 15.3004, 18.8740



26.5419, 12.8194, 40.2503



2.0939, 1.0105, 3.2118



# Inverse Universe

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



63.7717, 53.3778, 83.2865



73.6810, 58.2690, 98.6725



58.0926, 72.7620, 69.4197



15.6815, 15.3004, 18.8740



26.5419, 12.8194, 40.2503



2.0939, 1.0105, 3.2118



# Previews

## White Background



This preview shows how the XYZ color 63.7700, 53.3755, 83.2854 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

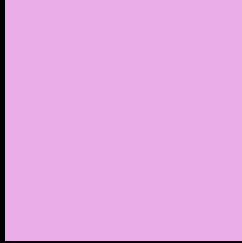
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.7700, 53.3755, 83.2854 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 63.7700, 53.3755, 83.2854**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.7700, 53.3755, 83.2854.



This preview shows how white text looks on a background with the XYZ color 63.7700, 53.3755,



# 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

63.7700, 53.3755, 83.2854

### Protanopia

53.9346, 53.5575, 93.8812

### Deuteranopia

54.8461, 53.6544, 81.5944



## Tritanopia

58.6920, 53.3606, 58.2451

# Trichromacy



## Original Color

63.7700, 53.3755, 83.2854



## Protanomaly

56.6881, 52.8516, 89.6517



## Deuteranomaly

57.7948, 53.2818, 82.1012



## Tritanomaly

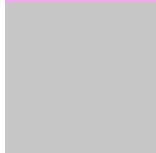
60.3860, 53.1542, 66.7516

# Monochromacy



## Original Color

63.7700, 53.3755, 83.2854



## Achromatopsia

53.6758, 56.4712, 61.4971



## Achromatomaly

56.6944, 54.8972, 68.5809

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.7700, 53.3755, 83.2854 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(235, 173, 232)` looks like.

```
.text, #text, p{  
    color:rgb(235, 173, 232)  
}
```

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(235, 173, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 173, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 63.7700, 53.3755, 83.2854 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(235, 173, 232) }
```



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

```
.border{ border-color:rgb(235, 173, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 173, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 173, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 173, 232);  
box-shadow:4px 4px 4px 4px rgb(235, 173,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.7700, 53.3755, 83.2854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 173, 232) }
```

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

```
.background{ background-color: rgb(235,  
173, 232) }
```

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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