

Converting Colors

XYZ(63.9933, 55.4905, 78.7782)

Have a look what the booklet for
XYZ(63.9933, 55.4905, 78.7782)
contains.

XYZ(63.9717, 55.3386, 78.5439)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.9717, 55.3386,
78.5439)**

Conversions

Conversions Part 1

Format	Color
Hex	EBB3E1
RGB	235, 179, 225
RGB Percent	92%, 70%, 88%
CMY	0.0784, 0.2980, 0.1176
CMYK	0.00, 0.24, 0.04, 0.08
HSL	311°, 58%, 81%
HSV	311°, 24%, 92%
XYZ	63.9717, 55.3386, 78.5439
YIQ	200.9880, 18.6100, 26.1780

Conversions

Conversions Part 2

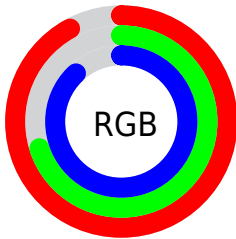
Format	Color
R _Y B	235, 179, 225
Decimal	15447009
CIE Lab	79.24, 27.68, -15.17
CIE LCh	79, 31.565, 331.277
Yxy	55.3386, 0.3233, 0.2797
Android (android.graphics.Color)	4293637089 (0xFFEBB3E1)
YUV	200.9880, 11.8379, 29.8285
Hunter-Lab	74.3899, 23.3189, -10.5278

Details

The XYZ color **63.9717, 55.3386, 78.5439** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **57.4863, 72.6762, 59.1454**, and the grayscale version is **55.4322, 58.3190, 63.5094**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **33.3070, 27.4077, 41.5650** is the 20% darker color. If you saturate the color by 10%, you get **59.0921, 46.4836, 74.1276**, and if you desaturate by 10%, it is **69.6713, 65.8093, 83.3042**.

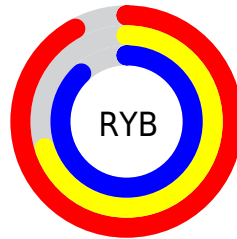
Distribution



Red (92%)

Green (70%)

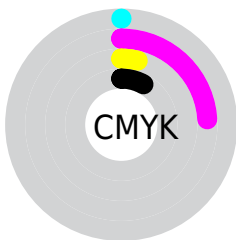
Blue (88%)



Red (92%)

Yellow (70%)

Blue (88%)

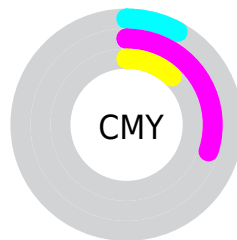


Cyan (0%)

Magenta (24%)

Yellow (4%)

Black (8%)



Cyan (8%)

Magenta (30%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9717, 55.3386, 78.5439 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 63.9717, 55.3386, 78.5439 by changing the saturation by 10% instead.


 63.9717, 55.3386,
78.5439

 63.9717, 55.3386,
78.5439


428.6913,
407.1942, 509.5888

 46.8893, 39.6729,
58.0018

 109.6441, 98.0369,
133.1094

 33.1558, 27.2836,
41.3954


138.9649,
125.8382, 167.9699

 22.4056, 17.7863,
28.3061


173.0959,
158.4536, 208.4402

 14.2735, 10.7967,
18.3155

212.4025,
196.2673, 254.9390

 8.3941, 5.9303,
11.0050

257.2499,
239.6639, 307.8846

 4.4021, 2.8027,
5.9560

308.0036,

 1.9320, 1.0296,

289.0276, 367.6958

2.7500

365.0290,
344.7429, 434.7910

■ 0.5953, 0.0000,
0.9684

■ 0.0000, 0.0000,
0.0000

■ 63.9717, 55.3386,
78.5439

■ 63.9717, 55.3386,
78.5439

■ 59.0921, 46.4836,
74.1276

■ 69.6713, 65.8093,
83.3042

■ 54.9867, 39.1556,
70.0378

■ 76.2238, 77.9640,
88.4180

■ 51.6129, 33.2686,
66.2603

■ 83.6664, 91.8759,
93.8990

■ 48.9218, 28.7247,
62.7782

■ 86.0167, 95.5805,
97.7535

46.8583, 25.4145,
59.5729

86.6538, 95.8354,
101.1082

45.3590, 23.2106,
56.6225

87.3054, 96.0960,
104.5396

44.3463, 21.9586,
53.9008

87.9717, 96.3625,
108.0481

43.8907, 21.5141,
52.3104

88.0715, 96.4024,
108.5734

Harmonies

Analogous

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



59.1519, 55.3386, 95.0996



63.9717, 55.3386, 78.5439



65.6844, 55.3386, 59.4831

Triad

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



63.9717, 55.3386, 78.5439



52.3277, 55.3386, 31.7629



42.8943, 55.3386, 80.1558

Complementary

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



63.9717, 55.3386, 78.5439



57.4863, 72.6762, 59.1454

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.



41.3760, 55.3386, 61.0322



63.9717, 55.3386, 78.5439



46.5464, 55.3386, 35.1678

Square

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



63.9717, 55.3386, 78.5439



58.6467, 55.3386, 34.6296



42.6587, 55.3386, 45.0502



46.9796, 55.3386, 96.1535

Rectangle

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



63.9717, 55.3386, 78.5439



64.7334, 55.3386, 48.5038



42.6587, 55.3386, 45.0502



42.0822, 55.3386, 73.7642

Sweetspot

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



63.9734, 55.3410, 78.5451



89.1086, 88.9316, 104.4085



51.9392, 48.9749, 85.3140



18.9685, 18.8412, 22.2670



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.



63.9734, 55.3410, 78.5451



73.7700, 60.7265, 91.6749



60.5377, 53.9668, 60.4531



15.5927, 15.2649, 18.4062



24.4700, 11.9907, 29.3398



1.9516, 0.9536, 2.4627

Inverse Universe

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



63.9734, 55.3410, 78.5451



73.7700, 60.7265, 91.6749



60.7386, 73.9771, 76.2716



15.5927, 15.2649, 18.4062



24.4700, 11.9907, 29.3398



1.9516, 0.9536, 2.4627

Previews

White Background



This preview shows how the XYZ color 63.9717, 55.3386, 78.5439 looks on a white background.

Color Contrast Check

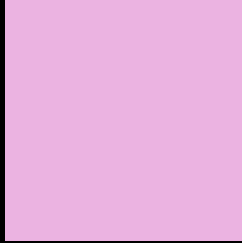
Large Text (above 18pt) WCAG AA × Fail

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 63.9717, 55.3386, 78.5439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

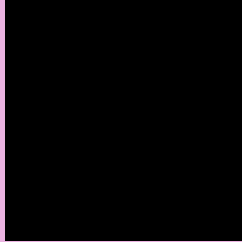
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.9717, 55.3386, 78.5439

Background



This preview shows how black text looks on a background with the XYZ color 63.9717, 55.3386, 78.5439.



This preview shows how white text looks on a background with the XYZ color 63.9717, 55.3386,

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

63.9717, 55.3386, 78.5439

Protanopia

55.2495, 55.7197, 86.4403

Deuteranopia

56.5787, 55.2858, 77.5013



Tritanopia

60.2885, 55.3471, 60.9316

Trichromacy



Original Color

63.9717, 55.3386, 78.5439



Protanomaly

57.7982, 55.1438, 83.1988



Deuteranomaly

59.2492, 55.3695, 78.0856



Tritanomaly

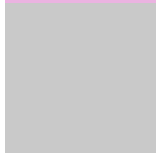
61.3918, 55.1658, 67.0869

Monochromacy



Original Color

63.9717, 55.3386, 78.5439



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

58.1434, 56.9392, 68.8986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9717, 55.3386, 78.5439 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, 179, 225)` looks like.

```
.text, #text, p{  
    color:rgb(235, 179, 225)  
}
```

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, 179, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 179, 225) }
```

Border

The CSS property to change the border of an element to XYZ 63.9717, 55.3386, 78.5439 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, 179, 225) }
```


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

```
.border{ border-color:rgb(235, 179, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 179, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 179, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 179, 225);  
box-shadow:4px 4px 4px 4px rgb(235, 179,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9717, 55.3386, 78.5439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 179, 225) }
```

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

```
.background{ background-color: rgb(235,  
179, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor