

# Converting Colors

XYZ(54.9529, 45.1817, 59.6297)

Have a look what the booklet for  
XYZ(54.9529, 45.1817, 59.6297)  
contains.

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# Color

**XYZ(55.1688, 45.4002,  
59.8882)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E69EC7
RGB	230, 158, 199
RGB Percent	90%, 62%, 78%
CMY	0.0980, 0.3804, 0.2196
CMYK	0.00, 0.31, 0.13, 0.10
HSL	326°, 59%, 76%
HSV	326°, 31%, 90%
XYZ	55.1688, 45.4002, 59.8882
YIQ	184.2020, 29.7510, 28.0150

# Conversions

## Conversions Part 2

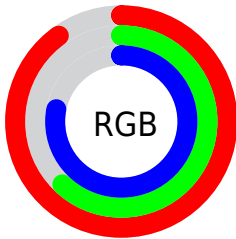
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 158, 199
Decimal	15113927
CIE <sub>Lab</sub>	73.15, 32.80, -10.15
CIE <sub>LCh</sub>	73, 34.330, 342.800
Yxy	45.4002, 0.3438, 0.2829
Android (android.graphics.Color)	4293304007 (0xFFE69EC7)
YUV	184.2020, 7.2954, 40.1648
Hunter-Lab	67.3797, 28.2369, -5.5322

# Details

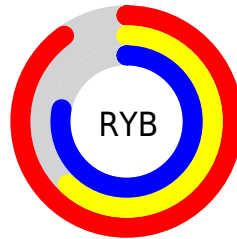
The XYZ color **55.1688, 45.4002, 59.8882** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **51.5846, 67.5382, 58.4646**, and the grayscale version is **45.6221, 47.9980, 52.2698**.

A 20% lighter version of the original color is **83.0842, 76.0685, 104.9114**, and **27.4984, 21.2366, 29.4378** is the 20% darker color. If you saturate the color by 10%, you get **50.4941, 37.8309, 52.8404**, and if you desaturate by 10%, it is **60.6552, 54.4718, 67.5768**.

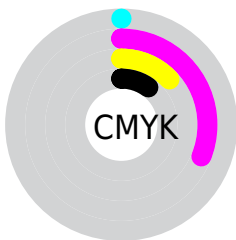
# Distribution



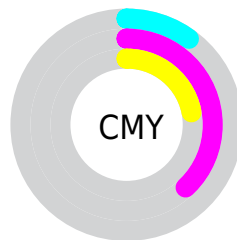
- Red (90%)
- Green (62%)
- Blue (78%)



- Red (90%)
- Yellow (62%)
- Blue (78%)



- Cyan (0%)
- Magenta (31%)
- Yellow (13%)
- Black (10%)




- Cyan (10%)
- Magenta (38%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.1688, 45.4002, 59.8882 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 55.1688, 45.4002, 59.8882 by changing the saturation by 10% instead.





 55.1688, 45.4002,  
59.8882


 55.1688, 45.4002,  
59.8882


396.6775,  
368.3920, 441.9788

 39.7713, 31.7728,  
42.9038

 96.9351, 83.3206,  
106.2093

 27.5437, 21.1880,  
29.4788


 124.0346,  
108.3824, 136.3830

 18.1206, 13.2615,  
19.1946

155.7654,  
138.0244, 171.7903

 11.1369, 7.6089,  
11.6328

192.4930,  
172.6311, 212.8497

 6.2269, 3.8457,  
6.3747

234.5826,  
212.5868, 259.9797

 3.0255, 1.5876,  
3.0018

282.3997,

 1.1673, 0.3492,

258.2759, 313.5988

1.0955

336.3095,  
310.0828, 374.1257

■ 0.0803, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.1688, 45.4002,  
59.8882

■ 55.1688, 45.4002,  
59.8882

■ 50.4941, 37.8309,  
52.8404

■ 60.6552, 54.4718,  
67.5768

■ 46.5845, 31.6752,  
46.4094

■ 66.9885, 65.1159,  
75.9232

■ 43.3950, 26.8443,  
40.5736

■ 74.2066, 77.4055,  
84.9472

■ 40.8736, 23.2368,  
35.3082

■ 82.3440, 91.4072,  
94.6666

■ 38.9610, 20.7367,  
30.5858

■ 85.4172, 95.1527,  
103.0933

■ 37.5864, 19.2047,  
26.3749

■ 86.4434, 95.5632,  
108.4972

■ 36.7279, 18.4609,  
23.0884

# Harmonies

## Analogous

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



51.4958, 45.4002, 77.9346



55.1688, 45.4002, 59.8882



55.4399, 45.4002, 42.4523

# Triad

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



55.1688, 45.4002, 59.8882



40.6397, 45.4002, 23.6588



35.2101, 45.4002, 75.5244

# Complementary

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



55.1688, 45.4002, 59.8882



51.5846, 67.5382, 58.4646

# 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.



32.8280, 45.4002, 57.1401



55.1688, 45.4002, 59.8882



35.7612, 45.4002, 28.8962

# Square

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



55.1688, 45.4002, 59.8882



46.6625, 45.4002, 24.0637



33.0199, 45.4002, 40.2716



39.8213, 45.4002, 88.3031



# Rectangle

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



55.1688, 45.4002, 59.8882



53.6208, 45.4002, 33.5744



33.0199, 45.4002, 40.2716



34.1422, 45.4002, 69.6332

# Sweetspot

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



55.1701, 45.4023, 59.8891



86.6102, 85.6012, 98.4386



47.2508, 40.8606, 80.2601



18.2649, 17.8589, 20.7222



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.



55.1701, 45.4023, 59.8891



65.5293, 50.5660, 69.4414



51.5625, 43.9592, 40.8917



14.7191, 14.5048, 16.7213



20.8555, 10.4764, 13.4002



1.5875, 0.7927, 1.2343



# Inverse Universe

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



55.1701, 45.4023, 59.8891



65.5293, 50.5660, 69.4414



55.8534, 69.2457, 80.9440



14.7191, 14.5048, 16.7213



20.8555, 10.4764, 13.4002

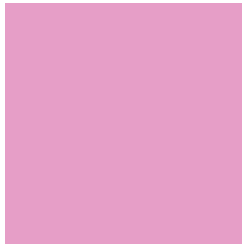


1.5875, 0.7927, 1.2343



# Previews

## White Background



This preview shows how the XYZ color 55.1688, 45.4002, 59.8882 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

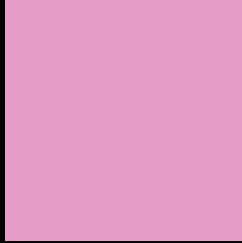
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.1688, 45.4002, 59.8882 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

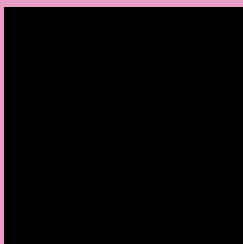
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 55.1688, 45.4002, 59.8882**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.1688, 45.4002, 59.8882.



This preview shows how white text looks on a background with the XYZ color 55.1688, 45.4002,



# 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

55.1688, 45.4002, 59.8882

### Protanopia

45.0376, 45.4785, 68.6918

### Deuteranopia

46.5290, 45.5926, 58.5725



## Tritanopia

52.3367, 45.2667, 46.5363

# Trichromacy



## Original Color

55.1688, 45.4002, 59.8882

## Protanomaly

48.0735, 45.1001, 65.2029

## Deuteranomaly

49.4428, 45.3863, 58.9778

## Tritanomaly

53.3915, 45.4444, 51.3050

# Monochromacy



## Original Color

55.1688, 45.4002, 59.8882

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

48.6027, 46.7516, 54.6064

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.1688, 45.4002, 59.8882 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(230, 158, 199)` looks like.

```
.text, #text, p{  
    color:rgb(230, 158, 199)  
}
```

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(230, 158, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 158, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 55.1688, 45.4002, 59.8882 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(230, 158, 199) }
```



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

```
.border{ border-color:rgb(230, 158, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 158, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 158, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 158, 199);  
box-shadow:4px 4px 4px 4px rgb(230, 158,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.1688, 45.4002, 59.8882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 158, 199) }
```

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

```
.background{ background-color: rgb(230,  
158, 199) }
```

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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