

# Converting Colors

XYZ(55.6395, 44.2045, 55.2419)

Have a look what the booklet for  
XYZ(55.6395, 44.2045, 55.2419)  
contains.

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# Color

**XYZ(55.6677, 44.2668,  
55.4795)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ED98C0
RGB	237, 152, 192
RGB Percent	93%, 60%, 75%
CMY	0.0706, 0.4039, 0.2471
CMYK	0.00, 0.36, 0.19, 0.07
HSL	332°, 70%, 76%
HSV	332°, 36%, 93%
XYZ	55.6677, 44.2668, 55.4795
YIQ	181.9750, 37.8200, 30.4600

# Conversions

## Conversions Part 2

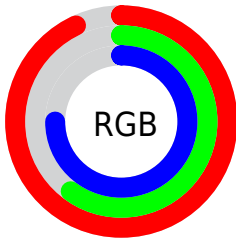
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 152, 192
Decimal	15571136
CIE Lab	72.41, 37.27, -7.32
CIE LCh	72, 37.985, 348.893
Yxy	44.2668, 0.3582, 0.2848
Android (android.graphics.Color)	4293761216 (0xFFED98C0)
YUV	181.9750, 4.9423, 48.2569
Hunter-Lab	66.5333, 32.9158, -2.8663

# Details

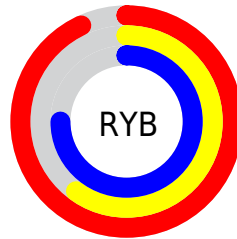
The XYZ color **55.6677, 44.2668, 55.4795** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **53.3131, 71.2761, 63.7745**, and the grayscale version is **44.4105, 46.7233, 50.8817**.

A 20% lighter version of the original color is **80.4961, 72.6630, 98.5897**, and **27.9444, 20.4911, 26.9084** is the 20% darker color. If you saturate the color by 10%, you get **50.8670, 36.7960, 47.3099**, and if you desaturate by 10%, it is **61.3580, 53.3262, 64.5315**.

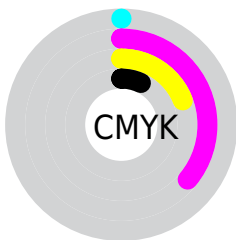
# Distribution



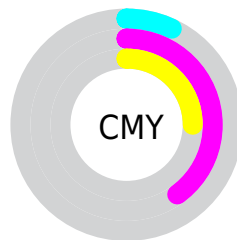
- Red (93%)
- Green (60%)
- Blue (75%)



- Red (93%)
- Yellow (60%)
- Blue (75%)



- Cyan (0%)
- Magenta (36%)
- Yellow (19%)
- Black (7%)



- Cyan (7%)
- Magenta (40%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6677, 44.2668, 55.4795 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 55.6677, 44.2668, 55.4795 by changing the saturation by 10% instead.





 55.6677, 44.2668,  
55.4795


 55.6677, 44.2668,  
55.4795


398.5334,  
363.7959, 425.0601

 40.1725, 30.8803,  
39.3846

 97.6612, 81.6191,  
99.7213

 27.8579, 20.5077,  
26.7489


 124.8902,  
106.3536, 128.7053

 18.3585, 12.7646,  
17.1540


156.7612,  
135.6397, 162.8227

 11.3089, 7.2667,  
10.1812

193.6395,  
169.8616, 202.4921

 6.3438, 3.6294,  
5.4121

235.8905,  
209.4038, 248.1320

 3.0979, 1.4685,  
2.4281

283.8796,

 1.2057, 0.2664,

254.6506, 300.1609

0.8017

337.9721,  
305.9865, 358.9974

■ 0.1109, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.6677, 44.2668,  
55.4795

■ 55.6677, 44.2668,  
55.4795

■ 50.8670, 36.7960,  
47.3099

■ 61.3580, 53.3262,  
64.5315

■ 46.9031, 30.8142,  
39.9890

■ 67.9792, 64.0534,  
74.4921

■ 43.7232, 26.2205,  
33.4848

■ 75.5743, 76.5300,  
85.3899

■ 41.2668, 22.8986,  
27.7612

■ 84.1827, 90.8301,  
97.2508

■ 39.4631, 20.7126,  
22.7783

■ 88.6934, 96.7279,  
108.3841

■ 38.2258, 19.4951,  
18.4899

■ 88.7352, 96.7446,  
108.6045

■ 37.8233, 19.1639,  
16.8957

# Harmonies

## Analogous

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



52.2845, 44.2668, 75.9842



55.6677, 44.2668, 55.4795



55.1365, 44.2668, 37.4474

# Triad

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



55.6677, 44.2668, 55.4795



38.1303, 44.2668, 21.5127



34.3322, 44.2668, 80.7673

# Complementary

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



55.6677, 44.2668, 55.4795



53.3131, 71.2761, 63.7745

# 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.



31.2574, 44.2668, 60.8336



55.6677, 44.2668, 55.4795



33.2881, 44.2668, 28.1773

# Square

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



55.6677, 44.2668, 55.4795



44.5450, 44.2668, 20.7816



30.8961, 44.2668, 41.5851



39.6966, 44.2668, 92.9096



# Rectangle

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



55.6677, 44.2668, 55.4795



52.6466, 44.2668, 28.9298



30.8961, 44.2668, 41.5851



33.0215, 44.2668, 74.5482

# Sweetspot

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



55.6690, 44.2689, 55.4804



84.4458, 82.4710, 94.0220



49.2595, 40.2979, 85.3032



17.8166, 17.2283, 19.7525



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.



55.6690, 44.2689, 55.4804



61.4909, 45.6467, 58.3611



52.0538, 43.1929, 35.3019



15.3605, 15.1721, 17.1837



20.7152, 10.4888, 9.5677



1.6749, 0.8429, 1.0054



# Inverse Universe

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



55.6690, 44.2689, 55.4804



61.4909, 45.6467, 58.3611



58.1120, 72.5420, 91.0604



15.3605, 15.1721, 17.1837



20.7152, 10.4888, 9.5677



1.6749, 0.8429, 1.0054



# Previews

## White Background



This preview shows how the XYZ color 55.6677, 44.2668, 55.4795 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

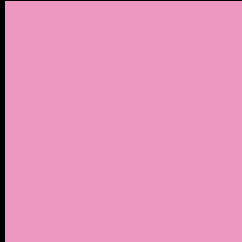
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.6677, 44.2668, 55.4795 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 55.6677, 44.2668, 55.4795**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.6677, 44.2668, 55.4795.



This preview shows how white text looks on a background with the XYZ color 55.6677, 44.2668,

55.4795.

# 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

55.6677, 44.2668, 55.4795

### Protanopia

44.1206, 44.7690, 65.9904

### Deuteranopia

45.5065, 44.5943, 53.7861



## Tritanopia

52.8880, 44.0965, 42.7698

# Trichromacy



## Original Color

55.6677, 44.2668, 55.4795



## Protanomaly

47.4283, 44.0053, 61.8712



## Deuteranomaly

48.6529, 43.9943, 54.0716



## Tritanomaly

53.9181, 44.2792, 47.2999

# Monochromacy



## Original Color

55.6677, 44.2668, 55.4795



## Achromatopsia

44.4628, 46.7784, 50.9417



## Achromatomaly

47.7830, 45.2275, 52.6657

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.6677, 44.2668, 55.4795 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(237, 152, 192)` looks like.

```
.text, #text, p{  
    color:rgb(237, 152, 192)  
}
```

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(237, 152, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 152, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 55.6677, 44.2668, 55.4795 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(237, 152, 192) }
```



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

```
.border{ border-color:rgb(237, 152, 192) }
```

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

Here you see how a box with a 4 pixel rgb(237, 152, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 152, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 152, 192);  
box-shadow:4px 4px 4px 4px rgb(237, 152,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.6677, 44.2668, 55.4795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 152, 192) }
```

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

```
.background{ background-color: rgb(237,  
152, 192) }
```

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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