

Converting Colors

XYZ(50.3436, 38.1218, 38.7652)

Have a look what the booklet for
XYZ(50.3436, 38.1218, 38.7652)
contains.

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Color

**XYZ(50.4455, 38.1137,
38.8803)**

Conversions

Conversions Part 1

Format	Color
Hex	EE87A2
RGB	238, 135, 162
RGB Percent	93%, 53%, 64%
CMY	0.0667, 0.4706, 0.3647
CMYK	0.00, 0.43, 0.32, 0.07
HSL	344°, 75%, 73%
HSV	344°, 43%, 93%
XYZ	50.4455, 38.1137, 38.8803
YIQ	168.8750, 52.7210, 30.2330

Conversions

Conversions Part 2

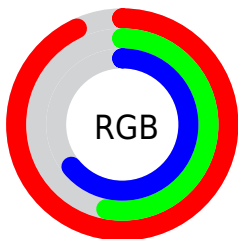
Format	Color
R _{YB}	238, 135, 162
Decimal	15632290
CIE Lab	68.10, 42.30, 3.12
CIE LCh	68, 42.419, 4.214
Yxy	38.1137, 0.3958, 0.2991
Android (android.graphics.Color)	4293822370 (0xFFEE87A2)
YUV	168.8750, -3.3894, 60.6226
Hunter-Lab	61.7363, 37.8161, 5.8757

Details

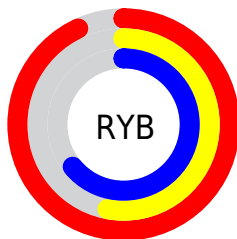
The XYZ color **50.4455, 38.1137, 38.8803** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **52.3259, 71.0042, 72.5792**, and the grayscale version is **37.6493, 39.6100, 43.1352**.

A 20% lighter version of the original color is **72.1778, 63.0967, 74.0203**, and **24.4769, 16.7660, 16.9850** is the 20% darker color. If you saturate the color by 10%, you get **46.0347, 31.6182, 30.2384**, and if you desaturate by 10%, it is **55.8186, 46.1844, 48.9195**.

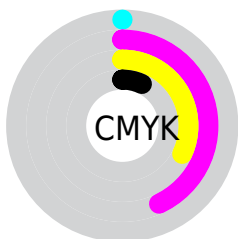
Distribution



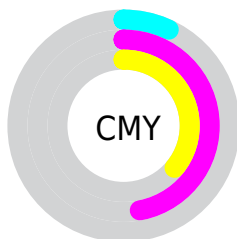
- Red (93%)
- Green (53%)
- Blue (64%)



- Red (93%)
- Yellow (53%)
- Blue (64%)



- Cyan (0%)
- Magenta (43%)
- Yellow (32%)
- Black (7%)





- Cyan (7%)
- Magenta (47%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4455, 38.1137, 38.8803 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 50.4455, 38.1137, 38.8803 by changing the saturation by 10% instead.


 50.4455, 38.1137,
38.8803


 50.4455, 38.1137,
38.8803


378.8288,
338.1075, 356.7921


 35.9868, 26.0709,
26.3595

 90.0225, 72.2824,
74.6737

 24.5940, 16.8767,
16.8646


 115.8714, 95.1771,
98.7835

 15.9020, 10.1466,
9.9771


 146.2478,
122.4579, 127.5933

 9.5452, 5.4963,
5.2784

181.5170,
154.5092, 161.5217

 5.1584, 2.5413,
2.3499

222.0443,
191.7155, 200.9872

 2.3762, 0.8972,
0.7590

268.1952,

 0.8332, 0.0000,

234.4610, 246.4084

0.0000

320.3349,
283.1302, 298.2039

■ 0.0000, 0.0000,
0.0000

■ 50.4455, 38.1137,
38.8803

■ 50.4455, 38.1137,
38.8803

■ 46.0347, 31.6182,
30.2384

■ 55.8186, 46.1844,
48.9195

■ 42.5239, 26.5887,
22.9274

■ 62.2048, 55.9190,
60.4134

■ 39.8486, 22.9107,
16.8789

■ 69.6549, 67.4060,
73.4189

■ 37.9333, 20.4501,
12.0165

■ 78.2153, 80.7262,
87.9890

■ 36.6879, 19.0450,
8.2546

■ 87.9296, 95.9553,
104.1743

■ 36.1400, 18.5292,
6.2839

■ 89.0700, 96.9172,
108.6201

Harmonies

Analogous

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



48.9249, 38.1137, 59.4435



50.4455, 38.1137, 38.8803



47.7921, 38.1137, 24.2051

Triad

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



50.4455, 38.1137, 38.8803



29.5358, 38.1137, 18.0807



30.9709, 38.1137, 83.6878

Complementary

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



50.4455, 38.1137, 38.8803



52.3259, 71.0042, 72.5792

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.



26.6948, 38.1137, 65.5302



50.4455, 38.1137, 38.8803



25.9397, 38.1137, 27.5872

Square

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



50.4455, 38.1137, 38.8803



35.2995, 38.1137, 14.7444



24.9662, 38.1137, 44.2334



37.1684, 38.1137, 89.4463

Rectangle

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



50.4455, 38.1137, 38.8803



44.1824, 38.1137, 18.4121



24.9662, 38.1137, 44.2334



29.2871, 38.1137, 78.6078

Sweetspot

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



50.4465, 38.1156, 38.8810



81.6801, 79.1664, 86.2357



50.8285, 37.2831, 85.4066



17.0448, 16.2666, 17.7014



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.



50.4465, 38.1156, 38.8810



54.3477, 37.7171, 36.3830



52.0384, 44.7361, 28.8162



15.9429, 15.8269, 17.2553



20.2075, 10.3554, 3.7432



1.7206, 0.8773, 0.5196

Inverse Universe

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



50.4465, 38.1156, 38.8810



54.3477, 37.7171, 36.3830



49.4639, 59.4017, 89.7479



15.9429, 15.8269, 17.2553



20.2075, 10.3554, 3.7432



1.7206, 0.8773, 0.5196

Previews

White Background



This preview shows how the XYZ color 50.4455, 38.1137, 38.8803 looks on a white background.

Color Contrast Check

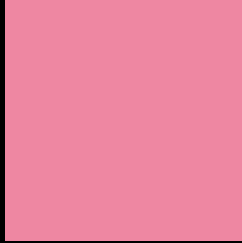
Large Text (above 18pt) WCAG AA × Fail

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 50.4455, 38.1137, 38.8803 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 50.4455, 38.1137, 38.8803

Background



This preview shows how black text looks on a background with the XYZ color 50.4455, 38.1137, 38.8803.



This preview shows how white text looks on a background with the XYZ color 50.4455, 38.1137,

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

50.4455, 38.1137, 38.8803

Protanopia

37.4192, 38.3125, 48.6029

Deuteranopia

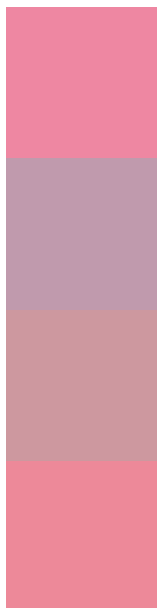
39.1661, 38.3975, 37.6949



Tritanopia

49.3588, 38.3196, 32.8119

Trichromacy



Original Color

50.4455, 38.1137, 38.8803

Protanomaly

40.8367, 37.3348, 44.5892

Deuteranomaly

42.6631, 37.9388, 37.8752

Tritanomaly

49.6205, 38.1958, 34.8942

Monochromacy



Original Color

50.4455, 38.1137, 38.8803

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

41.1880, 38.3364, 41.3052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4455, 38.1137, 38.8803 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(238, 135, 162)` looks like.

```
.text, #text, p{  
    color:rgb(238, 135, 162)  
}
```

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(238, 135, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 135, 162) }
```

Border

The CSS property to change the border of an element to XYZ 50.4455, 38.1137, 38.8803 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(238, 135, 162) }
```


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

```
.border{ border-color:rgb(238, 135, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 135, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 135, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 135, 162);  
box-shadow:4px 4px 4px 4px rgb(238, 135,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4455, 38.1137, 38.8803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 135, 162) }
```

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

```
.background{ background-color: rgb(238,  
135, 162) }
```

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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