

Converting Colors

XYZ(48.8570, 38.8676, 39.4010)

Have a look what the booklet for
XYZ(48.8570, 38.8676, 39.4010)
contains.

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Color

**XYZ(48.9170, 38.8133,
39.5638)**

Conversions

Conversions Part 1

Format	Color
Hex	E68EA3
RGB	230, 142, 163
RGB Percent	90%, 56%, 64%
CMY	0.0980, 0.4431, 0.3608
CMYK	0.00, 0.38, 0.29, 0.10
HSL	346°, 64%, 73%
HSV	346°, 38%, 90%
XYZ	48.9170, 38.8133, 39.5638
YIQ	170.7060, 45.7070, 25.1870

Conversions

Conversions Part 2

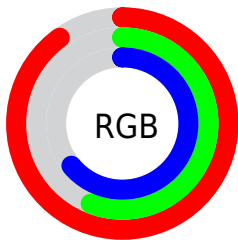
Format	Color
RYB	230, 142, 163
Decimal	15109795
CIELab	68.62, 35.97, 3.17
CIElCh	69, 36.108, 5.040
Yxy	38.8133, 0.3843, 0.3049
Android (android.graphics.Color)	4293299875 (0xFFE68EA3)
YUV	170.7060, -3.7991, 52.0008
Hunter-Lab	62.3003, 31.1292, 5.9581

Details

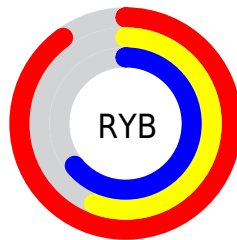
The XYZ color **48.9170, 38.8133, 39.5638** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **50.9625, 66.9489, 70.5615**, and the grayscale version is **38.5646, 40.5729, 44.1839**.

A 20% lighter version of the original color is **73.8611, 66.2545, 75.2252**, and **23.5387, 17.2307, 17.1242** is the 20% darker color. If you saturate the color by 10%, you get **44.3794, 32.0775, 30.8385**, and if you desaturate by 10%, it is **54.3801, 47.0517, 49.6704**.

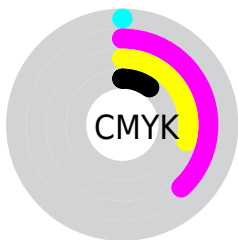
Distribution



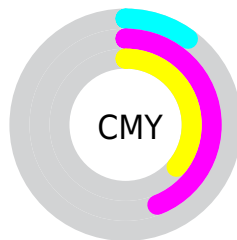
- Red (90%)
- Green (56%)
- Blue (64%)



- Red (90%)
- Yellow (56%)
- Blue (64%)



- Cyan (0%)
- Magenta (38%)
- Yellow (29%)
- Black (10%)





- Cyan (10%)
- Magenta (44%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9170, 38.8133, 39.5638 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 48.9170, 38.8133, 39.5638 by changing the saturation by 10% instead.


 48.9170, 38.8133,
39.5638


 48.9170, 38.8133,
39.5638


372.9379,
341.0961, 359.7789

 34.7679, 26.6145,
26.8874


 87.7696, 73.3530,
75.7286

 23.6498, 17.2839,
17.2570


 113.2039, 96.4627,
100.0542

 15.1974, 10.4371,
10.2540


143.1306,
123.9782, 129.0998

 9.0453, 5.6897,
5.4599

177.9150,
156.2839, 163.2841

 4.8281, 2.6574,
2.4561

217.9226,
193.7641, 203.0257

 2.1804, 0.9556,
0.8168

263.5187,

 0.7324, 0.0000,

236.8033, 248.7429

0.0000

315.0687,
285.7858, 300.8545

■ 0.0000, 0.0000,
0.0000

■ 48.9170, 38.8133,
39.5638

■ 48.9170, 38.8133,
39.5638

■ 44.3794, 32.0775,
30.8385

■ 54.3801, 47.0517,
49.6704

■ 40.7114, 26.7477,
23.4310

■ 60.8137, 56.8704,
61.2134

■ 37.8560, 22.7248,
17.2757

■ 68.2640, 68.3486,
74.2477

■ 35.7477, 19.8942,
12.3005

■ 76.7730, 81.5582,
88.8244

■ 34.3104, 18.1212,
8.4251

■ 85.7370, 95.2805,
104.7779

■ 33.4386, 17.2148,
5.5536

■ 86.4433, 95.5631,
108.4972

■ 33.3199, 17.0977,
5.1430

Harmonies

Analogous

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



47.7426, 38.8133, 56.9337



48.9170, 38.8133, 39.5638



46.6085, 38.8133, 26.6836

Triad

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



48.9170, 38.8133, 39.5638



30.9509, 38.8133, 21.4239



32.4578, 38.8133, 77.5706

Complementary

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



48.9170, 38.8133, 39.5638



50.9625, 66.9489, 70.5615

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.



28.6275, 38.8133, 62.9590



48.9170, 38.8133, 39.5638



27.8224, 38.8133, 30.3544

Square

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



48.9170, 38.8133, 39.5638



35.9366, 38.8133, 18.0763



27.0175, 38.8133, 45.0783



37.8619, 38.8133, 81.8589

Rectangle

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



48.9170, 38.8133, 39.5638



43.5320, 38.8133, 21.4079



27.0175, 38.8133, 45.0783



30.9621, 38.8133, 73.5473

Sweetspot

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



48.9181, 38.8152, 39.5646



83.4954, 82.0908, 89.0174



49.9698, 38.4711, 79.6552



17.5909, 17.1381, 18.5642



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.



48.9181, 38.8152, 39.5646



57.1398, 42.0927, 41.0392



50.7924, 45.3288, 31.6658



14.5172, 14.4241, 15.6582



18.9036, 9.6957, 3.1213



1.4326, 0.7308, 0.4188

Inverse Universe

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



48.9181, 38.8152, 39.5646



57.1398, 42.0927, 41.0392



47.9956, 56.5771, 83.2541



14.5172, 14.4241, 15.6582



18.9036, 9.6957, 3.1213



1.4326, 0.7308, 0.4188

Previews

White Background



This preview shows how the XYZ color 48.9170, 38.8133, 39.5638 looks on a white background.

Color Contrast Check

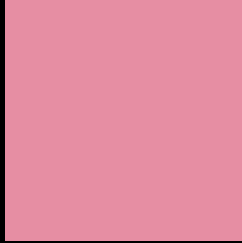
Large Text (above 18pt) WCAG AA × Fail

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 48.9170, 38.8133, 39.5638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

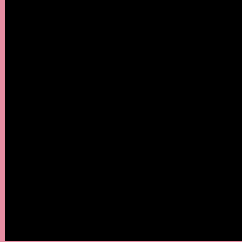
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9170, 38.8133, 39.5638

Background



This preview shows how black text looks on a background with the XYZ color 48.9170, 38.8133, 39.5638.



This preview shows how white text looks on a background with the XYZ color 48.9170, 38.8133,

39.5638.

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

48.9170, 38.8133, 39.5638

Protanopia

37.9030, 39.1366, 47.1514

Deuteranopia

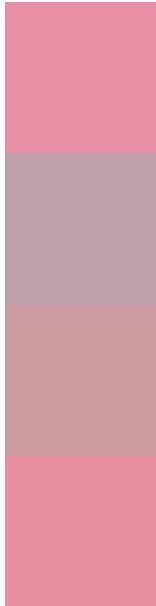
39.6719, 38.9087, 38.2201



Tritanopia

47.9683, 38.6360, 35.5011

Trichromacy



Original Color

48.9170, 38.8133, 39.5638

Protanomaly

41.1591, 38.5086, 44.2933

Deuteranomaly

42.6951, 38.6773, 38.4729

Tritanomaly

48.2214, 38.7373, 36.8338

Monochromacy



Original Color

48.9170, 38.8133, 39.5638

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

41.3769, 39.1752, 42.4266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9170, 38.8133, 39.5638 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, 142, 163) looks like.

```
.text, #text, p{  
    color:rgb(230, 142, 163)  
}
```

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, 142, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 142, 163) }
```

Border

The CSS property to change the border of an element to XYZ 48.9170, 38.8133, 39.5638 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, 142, 163) }
```


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

```
.border{ border-color:rgb(230, 142, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 142, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 142, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 142, 163);  
box-shadow:4px 4px 4px 4px rgb(230, 142,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9170, 38.8133, 39.5638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 142, 163) }
```

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

```
.background{ background-color: rgb(230,  
142, 163) }
```

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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