

Converting Colors

XYZ(51.3333, 38.7580, 56.2160)

Have a look what the booklet for
XYZ(51.3333, 38.7580, 56.2160)
contains.

XYZ(51.5719, 38.9401, 56.4278)	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(51.5719, 38.9401,
56.4278)**

Conversions

Conversions Part 1

Format	Color
Hex	E68AC3
RGB	230, 138, 195
RGB Percent	90%, 54%, 76%
CMY	0.0980, 0.4588, 0.2353
CMYK	0.00, 0.40, 0.15, 0.10
HSL	323°, 65%, 72%
HSV	323°, 40%, 90%
XYZ	51.5719, 38.9401, 56.4278
YIQ	172.0060, 36.5350, 37.2310

Conversions

Conversions Part 2

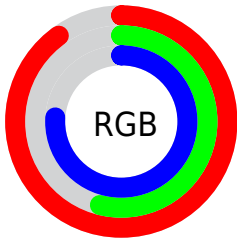
Format	Color
R _Y B	230, 138, 195
Decimal	15108803
CIE Lab	68.71, 42.69, -14.60
CIE LCh	69, 45.121, 341.121
Yxy	38.9401, 0.3510, 0.2650
Android (android.graphics.Color)	4293298883 (0xFFE68AC3)
YUV	172.0060, 11.3360, 50.8607
Hunter-Lab	62.4020, 38.3171, -9.9323

Details

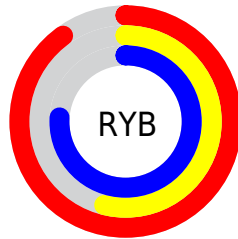
The XYZ color **51.5719, 38.9401, 56.4278** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **46.3226, 65.0151, 49.6458**, and the grayscale version is **39.1483, 41.1871, 44.8528**.

A 20% lighter version of the original color is **77.8807, 66.4282, 100.8126**, and **25.2898, 17.3043, 27.2065** is the 20% darker color. If you saturate the color by 10%, you get **47.6543, 32.6417, 50.3829**, and if you desaturate by 10%, it is **56.2485, 46.6626, 63.0126**.

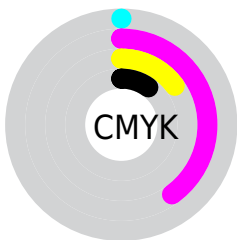
Distribution



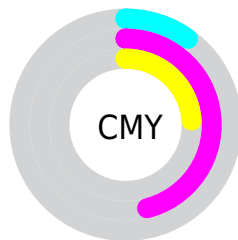
- Red (90%)
- Green (54%)
- Blue (76%)



- Red (90%)
- Yellow (54%)
- Blue (76%)



- Cyan (0%)
- Magenta (40%)
- Yellow (15%)
- Black (10%)





- Cyan (10%)
- Magenta (46%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5719, 38.9401, 56.4278 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 51.5719, 38.9401, 56.4278 by changing the saturation by 10% instead.


 51.5719, 38.9401,
56.4278

 51.5719, 38.9401,
56.4278


383.1328,
341.6358, 428.7352


 36.8868, 26.7131,
40.1397


 91.6775, 73.5468,
101.1218

 25.2932, 17.3579,
27.3329

 117.8289, 96.6953,
130.3648

 16.4255, 10.4900,
17.5887


 148.5330,
124.2532, 164.7633

 9.9185, 5.7250,
10.4888

184.1552,
156.6047, 204.7356

 5.4068, 2.6786,
5.6144

225.0610,
194.1343, 250.7005

 2.5251, 0.9663,
2.5471

271.6156,

 0.9079, 0.0000,

237.2265, 303.0763

0.8650

324.1844,
286.2655, 362.2817

■ 0.0000, 0.0000,
0.0000

■ 51.5719, 38.9401,
56.4278

■ 51.5719, 38.9401,
56.4278

■ 47.6543, 32.6417,
50.3829

■ 56.2485, 46.6626,
63.0126

■ 44.4467, 27.6727,
44.8554

■ 61.7221, 55.8854,
70.1536

■ 41.8997, 23.9352,
39.8245

■ 68.0324, 66.6856,
77.8689

■ 39.9556, 21.3156,
35.2656

■ 75.2152, 79.1335,
86.1749

■ 38.5460, 19.6786,
31.1508

■ 83.3041, 93.2950,
95.0875

■ 37.5534, 18.7912,
27.4354

■ 85.2597, 95.0896,
102.2642

■ 37.5531, 18.7910,
27.4346

■ 86.4433, 95.5631,
108.4972

Harmonies

Analogous

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



46.7885, 38.9401, 79.4265



51.5719, 38.9401, 56.4278



52.1736, 38.9401, 35.2621

Triad

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



51.5719, 38.9401, 56.4278



34.4273, 38.9401, 14.3479



27.6072, 38.9401, 73.8494

Complementary

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



51.5719, 38.9401, 56.4278



46.3226, 65.0151, 49.6458

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.



25.1143, 38.9401, 50.4396



51.5719, 38.9401, 56.4278



28.7010, 38.9401, 19.1512

Square

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



51.5719, 38.9401, 56.4278



41.6311, 38.9401, 15.0266



25.4871, 38.9401, 30.9126



32.7468, 38.9401, 91.5107

Rectangle

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



51.5719, 38.9401, 56.4278



50.0444, 38.9401, 25.1591



25.4871, 38.9401, 30.9126



26.4637, 38.9401, 66.1255

Sweetspot

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



51.5731, 38.9419, 56.4286



84.2351, 81.2793, 96.3266



40.3280, 32.6328, 79.0366



17.7987, 17.0003, 20.3390



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.



51.5731, 38.9419, 56.4286



61.0113, 42.5011, 64.9417



47.2496, 37.2125, 33.6615



14.7505, 14.5174, 16.8865



21.3217, 10.6629, 15.8549



1.6205, 0.8059, 1.4081

Inverse Universe

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



51.5731, 38.9419, 56.4286



61.0113, 42.5011, 64.9417



51.3994, 67.0458, 76.3799



14.7505, 14.5174, 16.8865



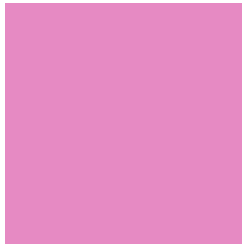
21.3217, 10.6629, 15.8549



1.6205, 0.8059, 1.4081

Previews

White Background



This preview shows how the XYZ color 51.5719, 38.9401, 56.4278 looks on a white background.

Color Contrast Check

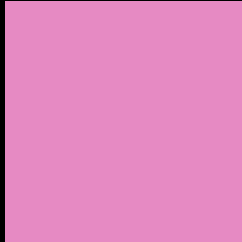
Large Text (above 18pt) WCAG AA × Fail

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 51.5719, 38.9401, 56.4278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

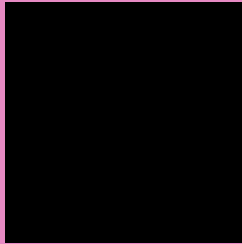
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.5719, 38.9401, 56.4278

Background



This preview shows how black text looks on a background with the XYZ color 51.5719, 38.9401, 56.4278.



This preview shows how white text looks on a background with the XYZ color 51.5719, 38.9401,

56.4278.

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

51.5719, 38.9401, 56.4278

Protanopia

39.4841, 39.1954, 69.1028

Deuteranopia

40.0253, 39.2673, 54.1850



Tritanopia

47.4902, 38.8198, 36.4425

Trichromacy



Original Color

51.5719, 38.9401, 56.4278



Protanomaly

42.6794, 38.3492, 64.1842



Deuteranomaly

43.4839, 38.7178, 55.0506



Tritanomaly

48.6073, 38.5792, 42.9149

Monochromacy



Original Color

51.5719, 38.9401, 56.4278



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

42.8013, 39.7744, 48.6014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5719, 38.9401, 56.4278 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, 138, 195)` looks like.

```
.text, #text, p{  
    color:rgb(230, 138, 195)  
}
```

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, 138, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 138, 195) }
```

Border

The CSS property to change the border of an element to XYZ 51.5719, 38.9401, 56.4278 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, 138, 195) }
```


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

```
.border{ border-color:rgb(230, 138, 195) }
```

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

Here you see how a box with a 4 pixel rgb(230, 138, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 138, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 138, 195);  
box-shadow:4px 4px 4px 4px rgb(230, 138,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5719, 38.9401, 56.4278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 138, 195) }
```

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

```
.background{ background-color: rgb(230,  
138, 195) }
```

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