

Converting Colors

XYZ(45.8715, 38.9136, 68.7117)

Have a look what the booklet for
XYZ(45.8715, 38.9136, 68.7117)
contains.

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Color

**XYZ(45.8715, 38.9136,
68.7117)**

Conversions

Conversions Part 1

Format	Color
Hex	C398D6
RGB	195, 152, 214
RGB Percent	76%, 60%, 84%
CMY	0.2353, 0.4039, 0.1608
CMYK	0.09, 0.29, 0.00, 0.16
HSL	282°, 43%, 72%
HSV	282°, 29%, 84%
XYZ	45.8715, 38.9136, 68.7117
YIQ	171.9250, 5.7260, 28.3980

Conversions

Conversions Part 2

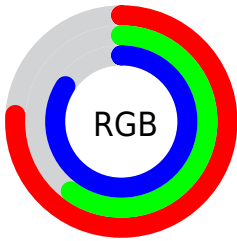
Format	Color
R_{YB}	195, 152, 214
Decimal	12818646
CIE _{Lab}	68.69, 27.16, -25.53
CIE _{LCh}	69, 37.278, 316.768
Yxy	38.9136, 0.2988, 0.2535
Android (android.graphics.Color)	4291008726 (0xFFC398D6)
YUV	171.9250, 20.7430, 20.2368
Hunter-Lab	62.3808, 22.0931, -21.6407

Details

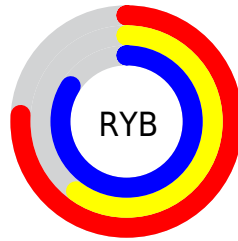
The XYZ color **45.8715, 38.9136, 68.7117** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.5099, 59.0190, 38.6480**, and the grayscale version is **39.0722, 41.1070, 44.7656**.

A 20% lighter version of the original color is **80.5077, 72.5411, 104.3664**, and **21.7997, 17.2803, 34.9873** is the 20% darker color. If you saturate the color by 10%, you get **41.0494, 31.7293, 67.5797**, and if you desaturate by 10%, it is **51.3971, 47.3928, 70.0577**.

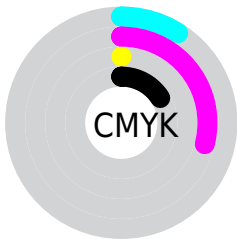
Distribution



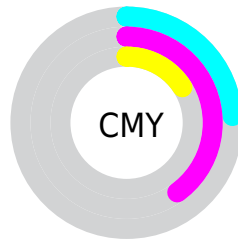
- Red (76%)
- Green (60%)
- Blue (84%)



- Red (76%)
- Yellow (60%)
- Blue (84%)



- Cyan (9%)
- Magenta (29%)
- Yellow (0%)
- Black (16%)





- Cyan (24%)
- Magenta (40%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8715, 38.9136, 68.7117 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 45.8715, 38.9136, 68.7117 by changing the saturation by 10% instead.


 45.8715, 38.9136,
68.7117

 45.8715, 38.9136,
68.7117

361.0164,
341.5230, 474.6799

 32.3486, 26.6925,
50.0067


 83.2557, 73.5063,
119.0335

 21.7848, 17.3424,
35.0475


 107.8477, 96.6467,
151.4874

 13.8145, 10.4789,
23.4156


136.8602,
124.1957, 189.3613

 8.0726, 5.7176,
14.6925

170.6584,
156.5377, 233.0737

 4.1937, 2.6742,
8.4596

209.6078,
194.0570, 283.0432

 1.8123, 0.9641,
4.2985

254.0737,

 0.5250, 0.0000,

237.1380, 339.6884

1.7905

304.4215,
286.1653, 403.4278

■ 0.0000, 0.0000,
0.4217

■ 0.0000, 0.0000,
0.0000

■ 45.8715, 38.9136,
68.7117

■ 45.8715, 38.9136,
68.7117

■ 41.0494, 31.7293,
67.5797

■ 51.3971, 47.3928,
70.0577

■ 36.8925, 25.7671,
66.6480

■ 57.6546, 57.2247,
71.6257

■ 33.3641, 20.9543,
65.9050

■ 64.6753, 68.4697,
73.4261

■ 30.4223, 17.2084,
65.3370

■ 72.4874, 81.1831,
75.4683

28.0194, 14.4356,
64.9285

79.8268, 92.8351,
77.3306

26.0995, 12.5255,
64.6610

81.9446, 93.9269,
77.4297

24.5734, 11.3014,
64.5051

84.1422, 95.0598,
77.5325

24.4265, 11.1902,
64.4914

86.4203, 96.2342,
77.6391

88.7799, 97.4506,
77.7496

Harmonies

Analogous

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



40.3525, 38.9136, 81.6565



45.8715, 38.9136, 68.7117



49.1495, 38.9136, 50.2407

Triad

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



45.8715, 38.9136, 68.7117



39.6409, 38.9136, 17.9807



27.1631, 38.9136, 52.4392

Complementary

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



45.8715, 38.9136, 68.7117



46.5099, 59.0190, 38.6480

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.



27.0160, 38.9136, 35.3680



45.8715, 38.9136, 68.7117



33.8125, 38.9136, 18.2750

Square

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



45.8715, 38.9136, 68.7117



45.3031, 38.9136, 22.8517



29.3295, 38.9136, 23.8029



29.7551, 38.9136, 70.6850

Rectangle

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



45.8715, 38.9136, 68.7117



49.4181, 38.9136, 38.6597



29.3295, 38.9136, 23.8029



26.8365, 38.9136, 46.3111

Sweetspot

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



45.8728, 38.9153, 68.7126



85.6203, 84.9118, 106.4847



39.7708, 40.8977, 69.4168



18.0190, 17.6878, 22.7143



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.



45.8728, 38.9153, 68.7126



63.5245, 50.8383, 101.0724



49.6967, 41.0485, 61.5759



12.5655, 12.4329, 15.6750



14.8746, 6.8207, 38.9857



0.9798, 0.4540, 2.3553

Inverse Universe

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



46.3117, 39.6945, 43.7506



64.4677, 52.2964, 57.2076



43.6406, 57.4270, 43.6089



12.5784, 12.4829, 13.7200



17.3898, 8.8923, 4.0910



1.0855, 0.5510, 0.4396

Previews

White Background



This preview shows how the XYZ color 45.8715, 38.9136, 68.7117 looks on a white background.

Color Contrast Check

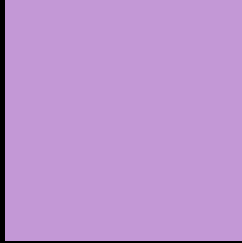
Large Text (above 18pt) WCAG AA × Fail

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 45.8715, 38.9136, 68.7117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

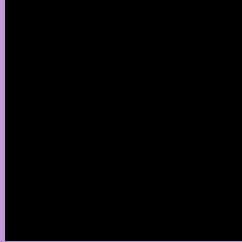
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8715, 38.9136, 68.7117

Background



This preview shows how black text looks on a background with the XYZ color 45.8715, 38.9136, 68.7117.



This preview shows how white text looks on a background with the XYZ color 45.8715, 38.9136,

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

45.8715, 38.9136, 68.7117

Protanopia

39.8533, 39.2336, 75.9934

Deuteranopia

40.0367, 39.2408, 67.7514



Tritanopia

41.0035, 38.9390, 44.3846

Trichromacy



Original Color

45.8715, 38.9136, 68.7117

Protanomaly

41.5995, 38.8725, 73.0208

Deuteranomaly

41.8146, 38.8299, 68.2418

Tritanomaly

42.5125, 38.7782, 52.2580

Monochromacy



Original Color

45.8715, 38.9136, 68.7117

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

41.2472, 40.2014, 52.5994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8715, 38.9136, 68.7117 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(195, 152, 214)` looks like.

```
.text, #text, p{  
    color:rgb(195, 152, 214)  
}
```

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(195, 152, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 152, 214) }
```

Border

The CSS property to change the border of an element to XYZ 45.8715, 38.9136, 68.7117 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(195, 152, 214) }
```


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

```
.border{ border-color:rgb(195, 152, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 152, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 152, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 152, 214);  
box-shadow:4px 4px 4px 4px rgb(195, 152,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8715, 38.9136, 68.7117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 152, 214) }
```

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

```
.background{ background-color: rgb(195,  
152, 214) }
```

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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