

Converting Colors

XYZ(45.5833, 55.7976, 38.4383)

Have a look what the booklet for
XYZ(45.5833, 55.7976, 38.4383)
contains.

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Color

**XYZ(45.7418, 56.0395,
38.5429)**

Conversions

Conversions Part 1

Format	Color
Hex	AFCF99
RGB	175, 207, 153
RGB Percent	69%, 81%, 60%
CMY	0.3137, 0.1882, 0.4000
CMYK	0.15, 0.00, 0.26, 0.19
HSL	96°, 36%, 71%
HSV	96°, 26%, 81%
XYZ	45.7418, 56.0395, 38.5429
YIQ	191.2760, -1.7380, -23.5780

Conversions

Conversions Part 2

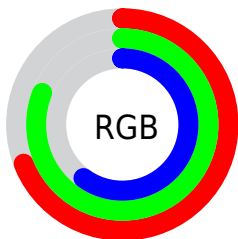
Format	Color
RYB	153, 207, 185
Decimal	11521945
CIELab	79.64, -20.40, 23.41
CIELCh	80, 31.051, 131.065
Yxy	56.0395, 0.3260, 0.3994
Android (android.graphics.Color)	4289712025 (0xFFAFCF99)
YUV	191.2760, -18.8701, -14.2741
Hunter-Lab	74.8595, -21.9344, 21.8751

Details

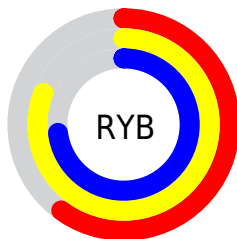
The XYZ color **45.7418, 56.0395, 38.5429** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.6636, 37.6034, 64.0440**, and the grayscale version is **49.7896, 52.3825, 57.0445**.

A 20% lighter version of the original color is **80.1002, 93.0630, 73.4157**, and **21.8155, 27.8793, 16.8018** is the 20% darker color. If you saturate the color by 10%, you get **41.5491, 54.0605, 30.1830**, and if you desaturate by 10%, it is **50.4843, 58.2710, 48.4791**.

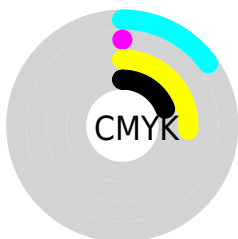
Distribution



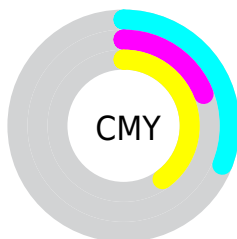
- Red (69%)
- Green (81%)
- Blue (60%)



- Red (60%)
- Yellow (81%)
- Blue (73%)



- Cyan (15%)
- Magenta (0%)
- Yellow (26%)
- Black (19%)




- Cyan (31%)
- Magenta (19%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7418, 56.0395, 38.5429 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 45.7418, 56.0395, 38.5429 by changing the saturation by 10% instead.


 45.7418, 56.0395,
38.5429


 45.7418, 56.0395,
38.5429


360.5030,
409.8403, 355.3109

 32.2459, 40.2346,
26.0992


 83.0627, 99.0623,
74.1521

 21.7058, 27.7215,
16.6715


 107.6183,
127.0490, 98.1548

 13.7563, 18.1158,
9.8411


136.5913,
159.8651, 126.8475

 8.0319, 11.0332,
5.1895

170.3469,
197.8950, 160.6488

 4.1674, 6.0892,
2.2982

209.2505,
241.5231, 199.9773

 1.7972, 2.8994,
0.7302

253.6675,

 0.5160, 1.0794,

291.1337, 245.2514

0.0000

303.9632,
347.1114, 296.8898

■ 0.0000, 0.0000,
0.0000

■ 45.7418, 56.0395,
38.5429

■ 45.7418, 56.0395,
38.5429

■ 41.5491, 54.0605,
30.1830

■ 50.4843, 58.2710,
48.4791

■ 37.8799, 52.3171,
23.3148

■ 55.7927, 60.7567,
60.0632

■ 34.7119, 50.8016,
17.8513

■ 61.6880, 63.5075,
73.3665

■ 32.0196, 49.5029,
13.6949

■ 68.1886, 66.5315,
88.4555

■ 29.7744, 48.4087,
10.7359

■ 75.0690, 69.7390,
104.1122

■ 27.9443, 47.5051,
8.8460

■ 79.2912, 71.9156,
104.3097

■ 26.4902, 46.7757,
7.8650

■ 81.6040, 73.1079,
104.4180

■ 25.9994, 46.5278,
7.6105

Harmonies

Analogous

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



50.9870, 56.0395, 33.0542



45.7418, 56.0395, 38.5429



42.6707, 56.0395, 50.5014

Triad

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



45.7418, 56.0395, 38.5429



49.4528, 56.0395, 99.7761



65.9712, 56.0395, 54.6379

Complementary

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



45.7418, 56.0395, 38.5429



42.6636, 37.6034, 64.0440

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.



65.4793, 56.0395, 72.9006



45.7418, 56.0395, 38.5429



55.6075, 56.0395, 101.4853

Square

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



45.7418, 56.0395, 38.5429



44.6945, 56.0395, 86.5789



61.5684, 56.0395, 90.8723



62.8640, 56.0395, 41.0586

Rectangle

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



45.7418, 56.0395, 38.5429



42.1132, 56.0395, 61.6605



61.5684, 56.0395, 90.8723



66.2272, 56.0395, 60.3790

Sweetspot

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



45.7433, 56.0419, 38.5441



87.6288, 96.5338, 92.3090



48.7286, 50.0566, 37.2315



18.4722, 20.5293, 19.1333



0.0000, 0.0000, 0.0000



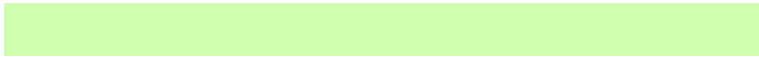
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.7433, 56.0419, 38.5441



69.6468, 88.0846, 54.3796



41.5800, 53.8519, 40.3265



12.1058, 13.4380, 12.5678



16.4812, 29.3653, 4.7994



1.0105, 1.6878, 0.2725

Inverse Universe

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



42.6636, 37.6034, 64.0440



63.9347, 53.9069, 101.6431



47.8455, 40.3374, 61.4549



11.8257, 11.7590, 14.8901



12.3228, 5.5329, 37.6110



0.7777, 0.3551, 2.1071

Previews

White Background



This preview shows how the XYZ color 45.7418, 56.0395, 38.5429 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 45.7418, 56.0395, 38.5429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

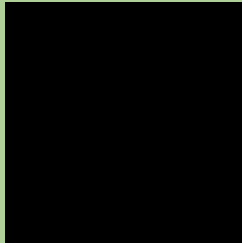
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.7418, 56.0395, 38.5429

Background



This preview shows how black text looks on a background with the XYZ color 45.7418, 56.0395, 38.5429.



This preview shows how white text looks on a background with the XYZ color 45.7418, 56.0395,

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

45.7418, 56.0395, 38.5429

Protanopia

52.1755, 55.9195, 36.0606

Deuteranopia

56.9165, 55.6525, 39.6405



Tritanopia

52.4563, 55.9435, 72.3234

Trichromacy



Original Color

45.7418, 56.0395, 38.5429

Protanomaly

49.6804, 55.9811, 37.0412

Deuteranomaly

52.3190, 55.5818, 39.4233

Tritanomaly

49.6910, 55.8706, 58.0343

Monochromacy



Original Color

45.7418, 56.0395, 38.5429

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

47.9096, 53.4211, 49.3812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7418, 56.0395, 38.5429 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(175, 207, 153)` looks like.

```
.text, #text, p{  
    color:rgb(175, 207, 153)  
}
```

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(175, 207, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 207, 153) }
```

Border

The CSS property to change the border of an element to XYZ 45.7418, 56.0395, 38.5429 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(175, 207, 153) }
```


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

```
.border{ border-color:rgb(175, 207, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 207, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 207, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 207, 153);  
box-shadow:4px 4px 4px 4px rgb(175, 207,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7418, 56.0395, 38.5429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 207, 153) }
```

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

```
.background{ background-color: rgb(175,  
207, 153) }
```

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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