

Converting Colors

XYZ(38.4916, 45.8398, 30.4896)

Have a look what the booklet for
XYZ(38.4916, 45.8398, 30.4896)
contains.

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Color

**XYZ(38.4341, 45.6716,
30.4567)**

Conversions

Conversions Part 1

Format	Color
Hex	A8BB89
RGB	168, 187, 137
RGB Percent	66%, 73%, 54%
CMY	0.3412, 0.2666, 0.4627
CMYK	0.10, 0.00, 0.27, 0.27
HSL	83°, 27%, 64%
HSV	83°, 27%, 73%
XYZ	38.4341, 45.6716, 30.4567
YIQ	175.6190, 4.7260, -19.5780

Conversions

Conversions Part 2

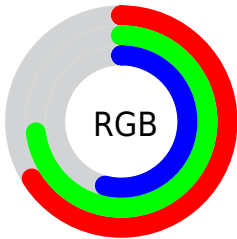
Format	Color
RYB	137, 187, 156
Decimal	11058057
CIELab	73.33, -15.31, 23.22
CIELCh	73, 27.815, 123.400
Yxy	45.6716, 0.3355, 0.3987
Android (android.graphics.Color)	4289248137 (0xFFA8BB89)
YUV	175.6190, -19.0392, -6.6819
Hunter-Lab	67.5808, -16.7510, 20.5862

Details

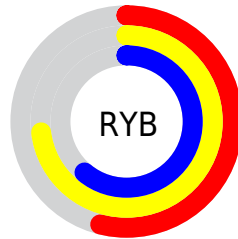
The XYZ color **38.4341, 45.6716, 30.4567** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.6274, 28.5483, 50.8596**, and the grayscale version is **41.1637, 43.3074, 47.1617**.

A 20% lighter version of the original color is **72.1950, 83.7101, 61.6428**, and **17.3156, 21.3832, 12.2316** is the 20% darker color. If you saturate the color by 10%, you get **35.7356, 44.4237, 23.9247**, and if you desaturate by 10%, it is **41.4502, 47.0592, 38.2191**.

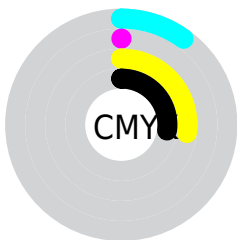
Distribution



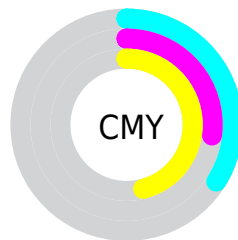
- Red (66%)
- Green (73%)
- Blue (54%)



- Red (54%)
- Yellow (73%)
- Blue (61%)



- Cyan (10%)
- Magenta (0%)
- Yellow (27%)
- Black (27%)



- Cyan (34%)
- Magenta (27%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4341, 45.6716, 30.4567 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 38.4341, 45.6716, 30.4567 by changing the saturation by 10% instead.

■ 38.4341, 45.6716,
30.4567

■ 38.4341, 45.6716,
30.4567

330.7272,
369.4868, 318.3008

■ 26.4985, 31.9868,
19.9305

■ 72.0726, 83.7273,
61.4532

■ 17.3316, 21.3514,
12.1610

■ 94.5063, 108.8670,
82.7606

■ 10.5680, 13.3811,
6.7295

■ 121.1700,
138.5937, 108.4988

■ 5.8423, 7.6915,
3.2177

152.4292,
173.2918, 139.0863

■ 2.7891, 3.8982,
1.2068

188.6491,
213.3458, 174.9417

■ 1.0433, 1.6168,
0.0000

230.1952,

■ 0.0000, 0.3689,

259.1400, 216.4836

0.0000

277.4328,
311.0589, 264.1304

■ 0.0000, 0.0000,
0.0000

■ 38.4341, 45.6716,
30.4567

■ 38.4341, 45.6716,
30.4567

■ 35.7356, 44.4237,
23.9247

■ 41.4502, 47.0592,
38.2191

■ 33.3379, 43.3039,
18.5569

■ 44.7928, 48.5855,
47.2676

■ 31.2278, 42.3085,
14.2855


■ 48.4747, 50.2575,
57.6581


■ 29.3894, 41.4308,
11.0342


■ 52.5070, 52.0795,
69.4424


■ 27.8050, 40.6637,
8.7172


■ 56.9002, 54.0561,
82.6694


 26.4542, 39.9987,
7.2346


 61.6642, 56.1912,
97.3857

 25.3098, 39.4249,
6.4509

 64.6604, 57.6297,
102.3234

 24.9646, 39.2508,
6.2604

 66.8286, 58.7474,
102.4249

 69.0890, 59.9127,
102.5307

Harmonies

Analogous

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



42.8540, 45.6716, 27.3910



38.4341, 45.6716, 30.4567



35.5294, 45.6716, 38.6141

Triad

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



38.4341, 45.6716, 30.4567



39.3320, 45.6716, 77.9185



53.4938, 45.6716, 48.1479

Complementary

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



38.4341, 45.6716, 30.4567



31.6274, 28.5483, 50.8596

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.



52.3762, 45.6716, 62.7941



38.4341, 45.6716, 30.4567



43.9698, 45.6716, 81.7633

Square

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



38.4341, 45.6716, 30.4567



36.0198, 45.6716, 66.0830



48.7967, 45.6716, 75.7829



51.7465, 45.6716, 36.3231

Rectangle

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



38.4341, 45.6716, 30.4567



34.7190, 45.6716, 46.6957



48.7967, 45.6716, 75.7829



53.4412, 45.6716, 52.8901

Sweetspot

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



38.4353, 45.6736, 30.4577



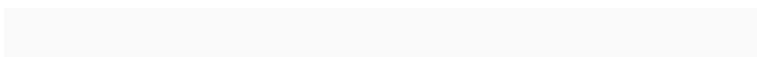
79.3512, 86.6164, 82.2566



36.7874, 35.9263, 28.6631



17.2690, 18.9807, 17.5510



90.7827, 95.5105, 104.0109



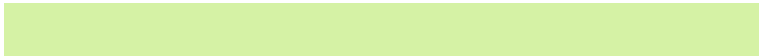
18.6292, 19.5994, 21.3438

Same Dimension

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



38.4353, 45.6736, 30.4577



65.9726, 80.4744, 47.5246



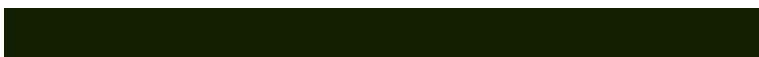
33.7306, 43.2482, 30.2375



9.9614, 10.9345, 10.1622



17.2823, 27.0852, 4.3171



0.7476, 1.0974, 0.1724

Inverse Universe

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



31.6274, 28.5483, 50.8596



51.7686, 44.7336, 90.1073



36.8171, 31.2237, 51.1025



9.3500, 9.3973, 11.9933



8.0489, 3.4355, 32.6318



0.3886, 0.1724, 1.2816

Previews

White Background



This preview shows how the XYZ color 38.4341, 45.6716, 30.4567 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 38.4341, 45.6716, 30.4567 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 38.4341, 45.6716, 30.4567

Background



This preview shows how black text looks on a background with the XYZ color 38.4341, 45.6716, 30.4567.



This preview shows how white text looks on a background with the XYZ color 38.4341, 45.6716,

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

38.4341, 45.6716, 30.4567

Protanopia

42.6167, 45.7012, 29.1293

Deuteranopia

46.5412, 45.6295, 31.1653



Tritanopia

43.9634, 45.7677, 57.5559

Trichromacy



Original Color

38.4341, 45.6716, 30.4567

Protanomaly

41.0738, 45.8066, 29.5984

Deuteranomaly

43.0863, 45.3070, 30.9003

Tritanomaly

41.7099, 45.7683, 46.1710

Monochromacy



Original Color

38.4341, 45.6716, 30.4567

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.0764, 44.1354, 40.5891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4341, 45.6716, 30.4567 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(168, 187, 137)` looks like.

```
.text, #text, p{  
    color:rgb(168, 187, 137)  
}
```

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(168, 187, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 187, 137) }
```

Border

The CSS property to change the border of an element to XYZ 38.4341, 45.6716, 30.4567 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(168, 187, 137) }
```


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

```
.border{ border-color:rgb(168, 187, 137) }
```

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

Here you see how a box with a 4 pixel rgb(168, 187, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 187, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 187, 137);  
box-shadow:4px 4px 4px 4px rgb(168, 187,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4341, 45.6716, 30.4567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 187, 137) }
```

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

```
.background{ background-color: rgb(168,  
187, 137) }
```

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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