

Converting Colors

XYZ(38.3795, 45.5532, 23.8304)

Have a look what the booklet for
XYZ(38.3795, 45.5532, 23.8304)
contains.

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Color

**XYZ(38.2845, 45.4245,
23.8895)**

Conversions

Conversions Part 1

Format	Color
Hex	AEBA76
RGB	174, 186, 118
RGB Percent	68%, 73%, 46%
CMY	0.3176, 0.2706, 0.5372
CMYK	0.06, 0.00, 0.37, 0.27
HSL	71°, 33%, 60%
HSV	71°, 37%, 73%
XYZ	38.2845, 45.4245, 23.8895
YIQ	174.6600, 14.6760, -23.6920

Conversions

Conversions Part 2

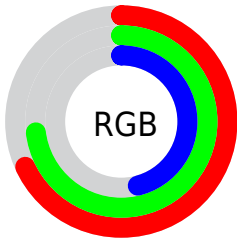
Format	Color
RYB	118, 186, 130
Decimal	11450998
CIELab	73.17, -15.10, 33.11
CIELCh	73, 36.394, 114.507
Yxy	45.4245, 0.3558, 0.4222
Android (android.graphics.Color)	4289641078 (0xFFAEBA76)
YUV	174.6600, -27.9334, -0.5788
Hunter-Lab	67.3977, -16.5511, 26.1627

Details

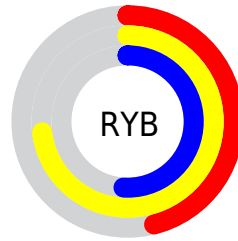
The XYZ color **38.2845, 45.4245, 23.8895** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **24.5490, 21.2490, 49.2646**, and the grayscale version is **40.7072, 42.8272, 46.6388**.

A 20% lighter version of the original color is **71.7359, 83.2675, 50.8194**, and **17.1766, 21.1855, 8.6527** is the 20% darker color. If you saturate the color by 10%, you get **36.5642, 44.6545, 18.5973**, and if you desaturate by 10%, it is **40.2429, 46.2950, 30.3324**.

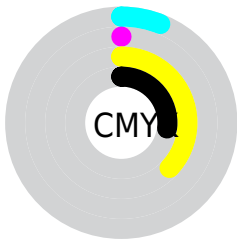
Distribution



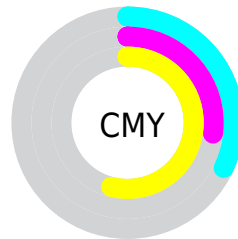
- Red (68%)
- Green (73%)
- Blue (46%)



- Red (46%)
- Yellow (73%)
- Blue (51%)



- Cyan (6%)
- Magenta (0%)
- Yellow (37%)
- Black (27%)



- Cyan (32%)
- Magenta (27%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2845, 45.4245, 23.8895 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 38.2845, 45.4245, 23.8895 by changing the saturation by 10% instead.

■ 38.2845, 45.4245,
23.8895

■ 38.2845, 45.4245,
23.8895

330.0986,
368.4901, 285.5299

■ 26.3818, 31.7919,
15.0402

■ 71.8451, 83.3571,
50.7914

■ 17.2437, 21.2026,
8.7007

■ 94.2337, 108.4258,
69.6811

■ 10.5047, 13.2722,
4.4523

■ 120.8482,
138.0754, 92.7547

■ 5.7997, 7.6162,
1.8766

152.0542,
172.6903, 120.4307

■ 2.7632, 3.8504,
0.4778

188.2168,
212.6548, 153.1277

■ 1.0298, 1.5902,
0.0000

229.7016,

■ 0.0000, 0.3510,

258.3533, 191.2642

0.0000

276.8737,
310.1703, 235.2587

■ 0.0000, 0.0000,
0.0000

■ 38.2845, 45.4245,
23.8895

■ 38.2845, 45.4245,
23.8895

■ 36.5642, 44.6545,
18.5973

■ 40.2429, 46.2950,
30.3324

■ 35.0657, 43.9736,
14.3851

■ 42.4481, 47.2647,
37.9855

■ 33.7757, 43.3782,
11.1790

■ 44.9121, 48.3400,
46.9074

■ 32.6780, 42.8618,
8.8945

■ 47.6455, 49.5252,
57.1522

■ 31.7540, 42.4168,
7.4333

■ 50.6580, 50.8242,
68.7709

■ 30.9784, 42.0332,
6.6642

■ 53.9589, 52.2406,
81.8117

■ 30.7288, 41.9086,
6.4696

■ 57.5570, 53.7781,
96.3206

■ 59.5010, 54.6561,
102.0214

■ 60.3891, 55.1139,
102.0629

Harmonies

Analogous

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



44.3592, 45.4245, 22.0881



38.2845, 45.4245, 23.8895



33.9392, 45.4245, 31.7409

Triad

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



38.2845, 45.4245, 23.8895



36.4382, 45.4245, 83.9230



56.5694, 45.4245, 52.8984

Complementary

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



38.2845, 45.4245, 23.8895



24.5490, 21.2490, 49.2646

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.



53.9497, 45.4245, 72.7838



38.2845, 45.4245, 23.8895



42.0113, 45.4245, 93.3078

Square

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



38.2845, 45.4245, 23.8895



32.9491, 45.4245, 65.5067



48.4644, 45.4245, 88.7974



55.3231, 45.4245, 36.2737

Rectangle

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



38.2845, 45.4245, 23.8895



32.4016, 45.4245, 40.6581



48.4644, 45.4245, 88.7974



56.1045, 45.4245, 59.4476

Sweetspot

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



38.2856, 45.4265, 23.8905



79.2776, 86.6892, 77.2509



31.4155, 27.5368, 20.7995



17.3249, 19.0322, 16.5296



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.



38.2856, 45.4265, 23.8905



66.8117, 81.1781, 35.3137



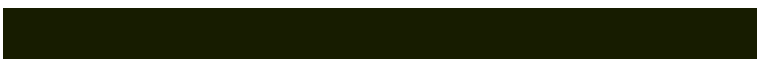
31.7584, 42.0616, 23.5850



9.5905, 10.4210, 9.6129



20.7289, 28.2224, 4.3549



0.7720, 1.0162, 0.1555

Inverse Universe

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



24.5490, 21.2490, 49.2646



38.2382, 30.8554, 88.1417



30.5155, 24.3248, 49.5438



8.6650, 8.7937, 11.3201



6.4269, 2.6244, 31.4209



0.2722, 0.1160, 1.1098

Previews

White Background



This preview shows how the XYZ color 38.2845, 45.4245, 23.8895 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 38.2845, 45.4245, 23.8895 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

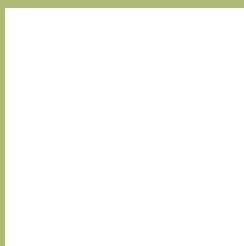
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.2845, 45.4245, 23.8895

Background



This preview shows how black text looks on a background with the XYZ color 38.2845, 45.4245, 23.8895.



This preview shows how white text looks on a background with the XYZ color 38.2845, 45.4245,

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

38.2845, 45.4245, 23.8895

Protanopia

41.7203, 45.0801, 22.7221

Deuteranopia

46.2280, 45.3326, 24.4027



Tritanopia

44.6545, 45.2731, 55.6753

Trichromacy



Original Color

38.2845, 45.4245, 23.8895

Protanomaly

40.3739, 45.2816, 23.1353

Deuteranomaly

42.9317, 45.0797, 24.2078

Tritanomaly

41.8445, 45.0262, 41.6074

Monochromacy



Original Color

38.2845, 45.4245, 23.8895

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.6320, 43.6873, 36.9155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2845, 45.4245, 23.8895 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(174, 186, 118)` looks like.

```
.text, #text, p{  
    color:rgb(174, 186, 118)  
}
```

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(174, 186, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 186, 118) }
```

Border

The CSS property to change the border of an element to XYZ 38.2845, 45.4245, 23.8895 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(174, 186, 118) }
```


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

```
.border{ border-color:rgb(174, 186, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 186, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 186, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 186, 118);  
box-shadow:4px 4px 4px 4px rgb(174, 186,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2845, 45.4245, 23.8895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 186, 118) }
```

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

```
.background{ background-color: rgb(174,  
186, 118) }
```

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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