

Converting Colors

XYZ(38.5819, 45.3417, 36.7010)

Have a look what the booklet for
XYZ(38.5819, 45.3417, 36.7010)
contains.

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Color

**XYZ(38.6185, 45.3102,
36.8473)**

Conversions

Conversions Part 1

Format	Color
Hex	A4BA99
RGB	164, 186, 153
RGB Percent	64%, 73%, 60%
CMY	0.3569, 0.2706, 0.4000
CMYK	0.12, 0.00, 0.18, 0.27
HSL	100°, 19%, 66%
HSV	100°, 18%, 73%
XYZ	38.6185, 45.3102, 36.8473
YIQ	175.6600, -2.5190, -14.9270

Conversions

Conversions Part 2

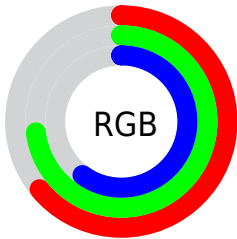
Format	Color
RYB	153, 186, 175
Decimal	10795673
CIELab	73.10, -13.70, 14.24
CIELCh	73, 19.763, 133.899
Yxy	45.3102, 0.3198, 0.3752
Android (android.graphics.Color)	4288985753 (0xFFA4BA99)
YUV	175.6600, -11.1714, -10.2258
Hunter-Lab	67.3129, -15.3891, 14.6634

Details

The XYZ color **38.6185, 45.3102, 36.8473** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.9351, 35.4428, 51.2985**, and the grayscale version is **41.1480, 43.2910, 47.1438**.

A 20% lighter version of the original color is **72.2280, 83.0693, 71.2586**, and **17.4679, 21.1791, 15.7377** is the 20% darker color. If you saturate the color by 10%, you get **34.7650, 43.4889, 29.2631**, and if you desaturate by 10%, it is **42.9635, 47.3599, 45.7065**.

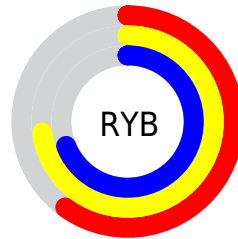
Distribution



Red (64%)

Green (73%)

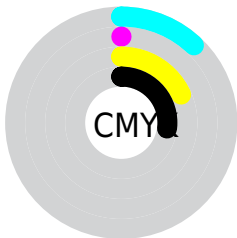
Blue (60%)



Red (60%)

Yellow (73%)

Blue (69%)

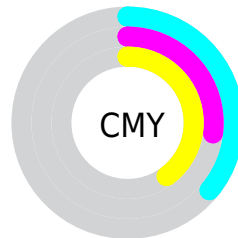


Cyan (12%)

Magenta (0%)

Yellow (18%)

Black (27%)



Cyan (36%)

Magenta (27%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6185, 45.3102, 36.8473 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 38.6185, 45.3102, 36.8473 by changing the saturation by 10% instead.

■ 38.6185, 45.3102,
36.8473

■ 38.6185, 45.3102,
36.8473

331.5009,
368.0284, 347.7977

■ 26.6425, 31.7018,
24.7944

■ 72.3530, 83.1857,
71.5216

■ 17.4401, 21.1339,
15.7063

■ 94.8421, 108.2216,
94.9800

■ 10.6460, 13.2219,
9.1645

121.5663,
137.8355, 123.0775

■ 5.8949, 7.5815,
4.7504

152.8909,
172.4118, 156.2324

■ 2.8213, 3.8284,
2.0454

189.1814,
212.3348, 194.8633

■ 1.0600, 1.5780,
0.5830

230.8029,

■ 0.0000, 0.3427,

257.9890, 239.3888

0.0000

278.1210,
309.7587, 290.2274

■ 0.0000, 0.0000,
0.0000

■ 38.6185, 45.3102,
36.8473

■ 38.6185, 45.3102,
36.8473

■ 34.7650, 43.4889,
29.2631

■ 42.9635, 47.3599,
45.7065

■ 31.3812, 41.8820,
22.8923

■ 47.8137, 49.6398,
55.8926

■ 28.4491, 40.4829,
17.6728

■ 53.1864, 52.1591,
67.4581

■ 25.9476, 39.2823,
13.5357

■ 59.0972, 54.9248,
80.4519

■ 23.8543, 38.2703,
10.4045

■ 65.5610, 57.9434,
94.9205

■ 22.1441, 37.4358,
8.1932

■ 71.0068, 60.5874,
102.5598

■ 20.7886, 36.7665,
6.8010

■ 75.3246, 62.8133,
102.7619

■ 19.7490, 36.2455,
6.0758

■ 76.8498, 63.5996,
102.8333

■ 19.5459, 36.1435,
5.9462

Harmonies

Analogous

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



41.4886, 45.3102, 33.0637



38.6185, 45.3102, 36.8473



36.9888, 45.3102, 44.2404

Triad

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



38.6185, 45.3102, 36.8473



41.2483, 45.3102, 69.9836



49.8477, 45.3102, 44.9013

Complementary

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



38.6185, 45.3102, 36.8473



37.9351, 35.4428, 51.2985

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.



49.7748, 45.3102, 54.8066



38.6185, 45.3102, 36.8473



44.6828, 45.3102, 70.2231

Square

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



38.6185, 45.3102, 36.8473



38.4507, 45.3102, 63.7506



47.8425, 45.3102, 64.3667



48.0366, 45.3102, 37.2751

Rectangle

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



38.6185, 45.3102, 36.8473



36.7675, 45.3102, 50.6411



47.8425, 45.3102, 64.3667



50.0456, 45.3102, 48.0518

Sweetspot

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



38.6197, 45.3122, 36.8483



80.1178, 86.8961, 87.5141



41.3312, 43.4008, 36.3364



17.5105, 19.0735, 18.9952



90.7827, 95.5105, 104.0109



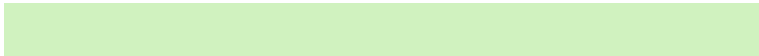
18.6292, 19.5994, 21.3438

Same Dimension

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



38.6197, 45.3122, 36.8483



67.3782, 80.8896, 61.5703



36.9118, 44.3780, 39.1951



9.1649, 10.2016, 9.5930



13.2212, 24.3521, 4.0036



0.5335, 0.8932, 0.1443

Inverse Universe

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



37.9351, 35.4428, 51.2985



65.9212, 59.9073, 92.2902



39.9319, 36.5384, 48.3976



9.0822, 9.0088, 11.3396



11.6377, 5.3106, 31.6648



0.4730, 0.2195, 1.1192

Previews

White Background



This preview shows how the XYZ color 38.6185, 45.3102, 36.8473 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 38.6185, 45.3102, 36.8473 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

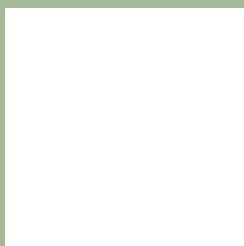
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6185, 45.3102, 36.8473

Background



This preview shows how black text looks on a background with the XYZ color 38.6185, 45.3102, 36.8473.



This preview shows how white text looks on a background with the XYZ color 38.6185, 45.3102,

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

38.6185, 45.3102, 36.8473

Protanopia

42.5312, 45.2289, 34.9222

Deuteranopia

45.9301, 44.8845, 37.6953



Tritanopia

42.7491, 45.1287, 58.0873

Trichromacy



Original Color

38.6185, 45.3102, 36.8473

Protanomaly

41.0554, 45.3612, 35.4459

Deuteranomaly

42.8737, 44.7580, 37.3898

Tritanomaly

41.1146, 45.0760, 49.7136

Monochromacy



Original Color

38.6185, 45.3102, 36.8473

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.4024, 44.2403, 43.4556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6185, 45.3102, 36.8473 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(164, 186, 153)` looks like.

```
.text, #text, p{  
    color:rgb(164, 186, 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(164, 186, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 186, 153) }
```

Border

The CSS property to change the border of an element to XYZ 38.6185, 45.3102, 36.8473 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(164, 186, 153) }
```


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

```
.border{ border-color:rgb(164, 186, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 186, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 186, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 186, 153);  
box-shadow:4px 4px 4px 4px rgb(164, 186,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6185, 45.3102, 36.8473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 186, 153) }
```

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

```
.background{ background-color: rgb(164,  
186, 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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