

Converting Colors

XYZ(38.1169, 45.3943, 41.4012)

Have a look what the booklet for
XYZ(38.1169, 45.3943, 41.4012)
contains.

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Color

**XYZ(38.0915, 45.2529,
41.3774)**

Conversions

Conversions Part 1

Format	Color
Hex	9CBBA3
RGB	156, 187, 163
RGB Percent	61%, 73%, 64%
CMY	0.3882, 0.2667, 0.3608
CMYK	0.17, 0.00, 0.13, 0.27
HSL	134°, 19%, 67%
HSV	134°, 17%, 73%
XYZ	38.0915, 45.2529, 41.3774
YIQ	174.9950, -10.7720, -14.0360

Conversions

Conversions Part 2

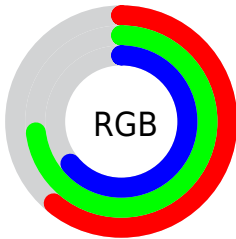
Format	Color
RYB	156, 181, 187
Decimal	10271651
CIELab	73.06, -15.23, 8.68
CIELCh	73, 17.534, 150.316
Yxy	45.2529, 0.3054, 0.3628
Android (android.graphics.Color)	4288461731 (0xFF9CBBA3)
YUV	174.9950, -5.9135, -16.6586
Hunter-Lab	67.2703, -16.6481, 10.6204

Details

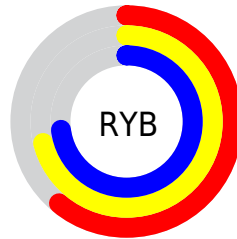
The XYZ color **38.0915, 45.2529, 41.3774** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.6218, 37.6381, 48.3060**, and the grayscale version is **40.7796, 42.9033, 46.7217**.

A 20% lighter version of the original color is **71.5694, 83.0120, 78.5805**, and **17.1033, 21.1409, 18.2181** is the 20% darker color. If you saturate the color by 10%, you get **33.5240, 43.0409, 34.7756**, and if you desaturate by 10%, it is **43.3672, 47.8153, 48.7896**.

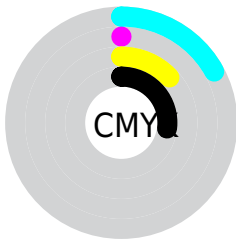
Distribution



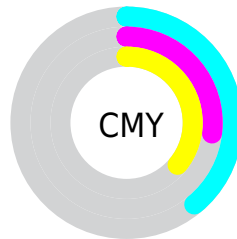
- Red (61%)
- Green (73%)
- Blue (64%)



- Red (61%)
- Yellow (71%)
- Blue (73%)



- Cyan (17%)
- Magenta (0%)
- Yellow (13%)
- Black (27%)



- Cyan (39%)
- Magenta (27%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0915, 45.2529, 41.3774 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 38.0915, 45.2529, 41.3774 by changing the saturation by 10% instead.

■ 38.0915, 45.2529,
41.3774

■ 38.0915, 45.2529,
41.3774

329.2864,
367.7968, 367.6187

■ 26.2312, 31.6567,
28.2922

■ 71.5514, 83.0998,
78.5164

■ 17.1303, 21.0994,
18.3051

■ 93.8817, 108.1192,
103.4072

■ 10.4233, 13.1967,
10.9975

120.4327,
137.7152, 133.0703

■ 5.7449, 7.5641,
5.9510

151.5699,
172.2721, 167.9242

■ 2.7298, 3.8173,
2.7470

187.6584,
212.1743, 208.3874

■ 1.0125, 1.5719,
0.9670

229.0638,

■ 0.0000, 0.3386,

257.8063, 254.8786

0.0000

276.1513,
309.5523, 307.8162

■ 0.0000, 0.0000,
0.0000

■ 38.0915, 45.2529,
41.3774

■ 38.0915, 45.2529,
41.3774

■ 33.5240, 43.0409,
34.7756

■ 43.3672, 47.8153,
48.7896

■ 29.6305, 41.1586,
28.9536

■ 49.3759, 50.7366,
57.0353

■ 26.3796, 39.5916,
23.8836

■ 56.1457, 54.0321,
66.1403

■ 23.7361, 38.3223,
19.5347

■ 63.7022, 57.7144,
76.1287

■ 21.6609, 37.3314,
15.8739

■ 72.0698, 61.7955,
87.0234

■ 20.1104, 36.5971,
12.8659

■ 76.2460, 63.6963,
98.6112

■ 19.0346, 36.0943,
10.4717

■ 77.0612, 64.0224,
102.9037

■ 18.3680, 35.7903,
8.6483

■ 18.1931, 35.7111,
8.1456

Harmonies

Analogous

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



40.1045, 45.2529, 36.0903



38.0915, 45.2529, 41.3774



37.3827, 45.2529, 49.3660

Triad

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



38.0915, 45.2529, 41.3774



43.0441, 45.2529, 68.1533



48.3028, 45.2529, 41.2339

Complementary

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



38.0915, 45.2529, 41.3774



40.6218, 37.6381, 48.3060

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.



49.1787, 45.2529, 49.1796



38.0915, 45.2529, 41.3774



46.0558, 45.2529, 65.3280

Square

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



38.0915, 45.2529, 41.3774



40.1583, 45.2529, 65.4405



48.3379, 45.2529, 58.1134



45.9968, 45.2529, 36.0146

Rectangle

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



38.0915, 45.2529, 41.3774



37.7176, 45.2529, 55.3689



48.3379, 45.2529, 58.1134



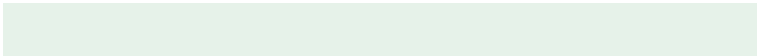
48.7790, 45.2529, 43.6412

Sweetspot

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



38.0927, 45.2548, 41.3784



79.1936, 86.3748, 89.4933



42.6613, 47.6805, 38.4078



17.2805, 18.9438, 19.4874



90.7827, 95.5105, 104.0109



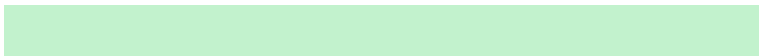
18.6292, 19.5994, 21.3438

Same Dimension

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



38.0927, 45.2548, 41.3784



65.0115, 79.4913, 69.5099



39.5397, 45.8336, 48.9982



9.4947, 10.6840, 10.5883



12.5578, 24.6134, 5.7340



0.5175, 0.9743, 0.3592

Inverse Universe

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



40.6218, 37.6381, 48.3060



70.4188, 63.2032, 84.3193



39.1552, 37.0515, 40.5830



9.8353, 9.6584, 11.5215



17.6581, 8.6944, 19.2908



0.7148, 0.3498, 0.8772

Previews

White Background



This preview shows how the XYZ color 38.0915, 45.2529, 41.3774 looks on a white background.

Color Contrast Check

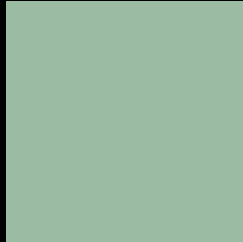
Large Text (above 18pt) WCAG AA × Fail

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 38.0915, 45.2529, 41.3774 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 38.0915, 45.2529, 41.3774

Background



This preview shows how black text looks on a background with the XYZ color 38.0915, 45.2529, 41.3774.



This preview shows how white text looks on a background with the XYZ color 38.0915, 45.2529,

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

38.0915, 45.2529, 41.3774

Protanopia

42.6719, 44.9088, 39.2201

Deuteranopia

45.9139, 45.0578, 42.3535



Tritanopia

41.7063, 45.1685, 59.3436

Trichromacy



Original Color

38.0915, 45.2529, 41.3774

Protanomaly

40.7735, 44.8159, 39.7590

Deuteranomaly

42.7195, 44.8717, 42.0069

Tritanomaly

40.3947, 45.2573, 52.5055

Monochromacy



Original Color

38.0915, 45.2529, 41.3774

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.6192, 43.5053, 44.8373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0915, 45.2529, 41.3774 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(156, 187, 163)` looks like.

```
.text, #text, p{  
    color:rgb(156, 187, 163)  
}
```

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(156, 187, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 187, 163) }
```

Border

The CSS property to change the border of an element to XYZ 38.0915, 45.2529, 41.3774 is called "border". The border property can be set on classes, ids or directly on the HTML element.

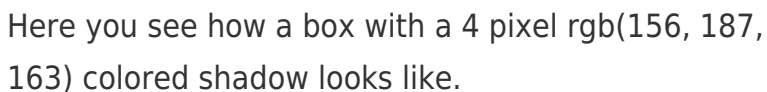
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 187, 163) }
```


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

```
.border{ border-color:rgb(156, 187, 163) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 187, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 187, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 187, 163); box-shadow:4px 4px 4px 4px rgb(156, 187, 163) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0915, 45.2529, 41.3774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 187, 163) }
```

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

```
.background{ background-color: rgb(156,  
187, 163) }
```

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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