

Converting Colors

XYZ(38.0163, 45.8206, 28.3133)

Have a look what the booklet for
XYZ(38.0163, 45.8206, 28.3133)
contains.

XYZ(38.0163, 45.8206, 28.3133)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.0163, 45.8206,
28.3133)**

Conversions

Conversions Part 1

Format	Color
Hex	A7BC83
RGB	167, 188, 131
RGB Percent	65%, 74%, 51%
CMY	0.3451, 0.2627, 0.4863
CMYK	0.11, 0.00, 0.30, 0.26
HSL	82°, 30%, 63%
HSV	82°, 30%, 74%
XYZ	38.0163, 45.8206, 28.3133
YIQ	175.2230, 5.7810, -22.1790

Conversions

Conversions Part 2

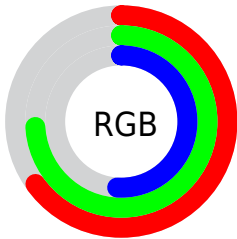
Format	Color
RYB	131, 188, 152
Decimal	10992771
CIELab	73.43, -17.07, 26.53
CIELCh	73, 31.552, 122.763
Yxy	45.8206, 0.3390, 0.4086
Android (android.graphics.Color)	4289182851 (0xFFA7BC83)
YUV	175.2230, -21.8019, -7.2116
Hunter-Lab	67.6909, -18.2106, 22.5842

Details

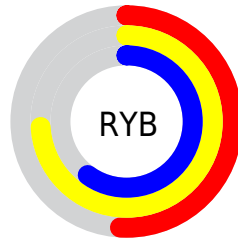
The XYZ color **38.0163, 45.8206, 28.3133** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.1441, 26.5401, 51.1134**, and the grayscale version is **40.9714, 43.1051, 46.9414**.

A 20% lighter version of the original color is **71.4338, 83.8500, 57.7671**, and **17.0886, 21.4994, 11.0337** is the 20% darker color. If you saturate the color by 10%, you get **35.4318, 44.6238, 22.1339**, and if you desaturate by 10%, it is **40.9128, 47.1544, 35.7161**.

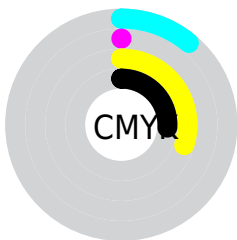
Distribution



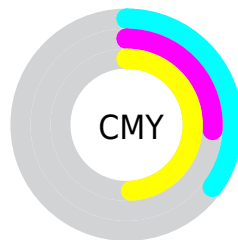
- Red (65%)
- Green (74%)
- Blue (51%)



- Red (51%)
- Yellow (74%)
- Blue (60%)



- Cyan (11%)
- Magenta (0%)
- Yellow (30%)
- Black (26%)




- Cyan (35%)
- Magenta (26%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0163, 45.8206, 28.3133 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 38.0163, 45.8206, 28.3133 by changing the saturation by 10% instead.


 38.0163, 45.8206,
28.3133


 38.0163, 45.8206,
28.3133


328.9695,
370.0869, 307.9199


 26.1726, 32.1043,
18.3209


 71.4369, 83.9504,
58.0134

 17.0862, 21.4412,
11.0088


 93.7444, 109.1328,
78.5581

 10.3916, 13.4469,
5.9585

 120.2707,
138.9059, 103.4573

 5.7236, 7.7370,
2.7515

151.3810,
173.6541, 133.1295

 2.7168, 3.9271,
0.9692

187.4406,
213.7620, 167.9934

 1.0058, 1.6329,
0.0000

228.8151,

 0.0000, 0.3796,

259.6138, 208.4674

0.0000

275.8696,
311.5940, 254.9700

■ 0.0000, 0.0000,
0.0000

■ 38.0163, 45.8206,
28.3133

■ 38.0163, 45.8206,
28.3133

■ 35.4318, 44.6238,
22.1339

■ 40.9128, 47.1544,
35.7161

■ 33.1421, 43.5522,
17.1089

■ 44.1305, 48.6243,
44.4004

■ 31.1334, 42.6019,
13.1672


■ 47.6826, 50.2373,
54.4239


■ 29.3891, 41.7659,
10.2284


■ 51.5804, 51.9980,
65.8403


■ 27.8907, 41.0368,
8.2011


■ 55.8345, 53.9109,
78.7001

 26.6162, 40.4055,
6.9771

 60.4553, 55.9801,
93.0513

 25.5549, 39.8712,
6.3490

 64.2034, 57.7101,
102.3630

 66.2872, 58.7844,
102.4605

 68.4583, 59.9036,
102.5621

Harmonies

Analogous

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



43.0376, 45.8206, 25.1256



38.0163, 45.8206, 28.3133



34.7178, 45.8206, 37.1453

Triad

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



38.0163, 45.8206, 28.3133



38.8377, 45.8206, 82.3775



55.1301, 45.8206, 48.4289

Complementary

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



38.0163, 45.8206, 28.3133



30.1441, 26.5401, 51.1134

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.



53.7684, 45.8206, 65.2620



38.0163, 45.8206, 28.3133



44.0687, 45.8206, 87.1616

Square

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



38.0163, 45.8206, 28.3133



35.1629, 45.8206, 68.3687



49.5986, 45.8206, 80.3322



53.1773, 45.8206, 35.0839

Rectangle

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



38.0163, 45.8206, 28.3133



33.7802, 45.8206, 46.1312



49.5986, 45.8206, 80.3322



55.0450, 45.8206, 53.8494

Sweetspot

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



38.0175, 45.8226, 28.3143



80.6988, 88.4489, 82.4672



36.0494, 34.7556, 26.2819



17.1609, 18.9326, 17.1998



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.



38.0175, 45.8226, 28.3143



65.8956, 81.6527, 44.0392



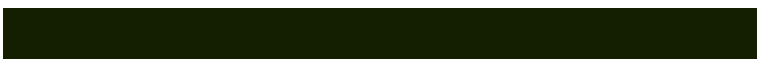
32.6622, 43.0619, 28.0637



9.9721, 10.9400, 10.1627



17.4823, 27.1883, 4.3265



0.7545, 1.1009, 0.1727

Inverse Universe

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



30.1441, 26.5401, 51.1134



49.4747, 41.4208, 91.6136



36.1107, 29.6160, 51.3927



9.3396, 9.3919, 11.9928



7.9400, 3.3793, 32.6267



0.3838, 0.1699, 1.2814

Previews

White Background



This preview shows how the XYZ color 38.0163, 45.8206, 28.3133 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 38.0163, 45.8206, 28.3133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

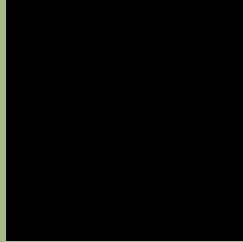
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0163, 45.8206, 28.3133

Background



This preview shows how black text looks on a background with the XYZ color 38.0163, 45.8206, 28.3133.



This preview shows how white text looks on a background with the XYZ color 38.0163, 45.8206,

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

38.0163, 45.8206, 28.3133

Protanopia

42.4657, 45.6704, 26.9992

Deuteranopia

46.3980, 45.6054, 28.9115



Tritanopia

43.9634, 45.7677, 57.5559

Trichromacy



Original Color

38.0163, 45.8206, 28.3133

Protanomaly

40.6631, 45.6423, 27.4355

Deuteranomaly

42.9190, 45.2700, 28.6662

Tritanomaly

41.5178, 45.6915, 45.1592

Monochromacy



Original Color

38.0163, 45.8206, 28.3133

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.5925, 43.9164, 39.1908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0163, 45.8206, 28.3133 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(167, 188, 131)` looks like.

```
.text, #text, p{  
    color:rgb(167, 188, 131)  
}
```

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(167, 188, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 188, 131) }
```

Border

The CSS property to change the border of an element to XYZ 38.0163, 45.8206, 28.3133 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(167, 188, 131) }
```


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

```
.border{ border-color:rgb(167, 188, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 188, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 188, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 188, 131);  
box-shadow:4px 4px 4px 4px rgb(167, 188,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0163, 45.8206, 28.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 188, 131) }
```

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

```
.background{ background-color: rgb(167,  
188, 131) }
```

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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