

Converting Colors

XYZ(38.0305, 46.0430, 28.7525)

Have a look what the booklet for
XYZ(38.0305, 46.0430, 28.7525)
contains.

XYZ(38.0883, 46.1681, 28.7337)	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(38.0883, 46.1681,
28.7337)**

Conversions

Conversions Part 1

Format	Color
Hex	A6BD84
RGB	166, 189, 132
RGB Percent	65%, 74%, 52%
CMY	0.3490, 0.2588, 0.4823
CMYK	0.12, 0.00, 0.30, 0.26
HSL	84°, 30%, 63%
HSV	84°, 30%, 74%
XYZ	38.0883, 46.1681, 28.7337
YIQ	175.6250, 4.5890, -22.6030

Conversions

Conversions Part 2

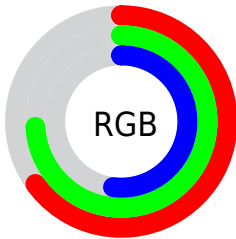
Format	Color
RYB	132, 189, 155
Decimal	10927492
CIELab	73.65, -17.81, 26.29
CIELCh	74, 31.759, 124.119
Yxy	46.1681, 0.3371, 0.4086
Android (android.graphics.Color)	4289117572 (0xFFA6BD84)
YUV	175.6250, -21.5071, -8.4411
Hunter-Lab	67.9471, -18.8478, 22.4902

Details

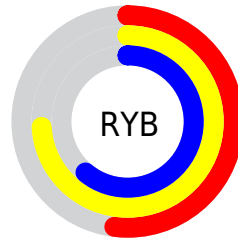
The XYZ color **38.0883, 46.1681, 28.7337** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.9561, 27.1466, 51.7549**, and the grayscale version is **41.1793, 43.3238, 47.1796**.

A 20% lighter version of the original color is **71.5336, 84.3372, 58.4074**, and **17.1372, 21.7282, 11.2734** is the 20% darker color. If you saturate the color by 10%, you get **35.3589, 44.8986, 22.4555**, and if you desaturate by 10%, it is **41.1493, 47.5843, 36.2525**.

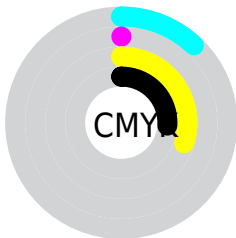
Distribution



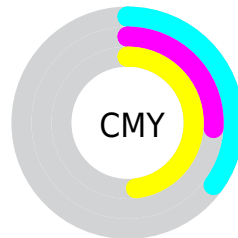
- Red (65%)
- Green (74%)
- Blue (52%)



- Red (52%)
- Yellow (74%)
- Blue (61%)



- Cyan (12%)
- Magenta (0%)
- Yellow (30%)
- Black (26%)



- Cyan (35%)
- Magenta (26%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0883, 46.1681, 28.7337 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 38.0883, 46.1681, 28.7337 by changing the saturation by 10% instead.

■ 38.0883, 46.1681,
28.7337

■ 38.0883, 46.1681,
28.7337

329.2729,
371.4841, 309.9779

■ 26.2288, 32.3785,
18.6356

■ 71.5465, 84.4705,
58.6908

■ 17.1284, 21.6508,
11.2331

■ 93.8758, 109.7521,
79.3870

■ 10.4220, 13.6005,
6.1077

■ 120.4258,
139.6332, 104.4529

■ 5.7440, 7.8433,
2.8409

151.5618,
174.4981, 134.3071

■ 2.7292, 3.9949,
1.0140

187.6492,
214.7312, 169.3682

■ 1.0122, 1.6707,
0.0000

229.0532,

■ 0.0000, 0.4046,

260.7170, 210.0547

0.0000

276.1394,
312.8398, 256.7851

■ 0.0000, 0.0000,
0.0000

■ 38.0883, 46.1681,
28.7337

■ 38.0883, 46.1681,
28.7337

■ 35.3589, 44.8986,
22.4555

■ 41.1493, 47.5843,
36.2525

■ 32.9432, 43.7638,
17.3480

■ 44.5516, 49.1466,
45.0706

■ 30.8269, 42.7594,
13.3393


■ 48.3089, 50.8622,
55.2467


■ 28.9929, 41.8782,
10.3481


■ 52.4330, 52.7360,
66.8348


■ 27.4218, 41.1124,
8.2819


■ 56.9350, 54.7727,
79.8862


 26.0910, 40.4527,
7.0313

 61.8257, 56.9767,
94.4495

 24.9738, 39.8899,
6.3833

 65.5804, 58.7382,
102.4889

 67.9337, 59.9514,
102.5990

 70.3935, 61.2195,
102.7141

Harmonies

Analogous

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



43.1088, 46.1681, 25.2652



38.0883, 46.1681, 28.7337



34.8495, 46.1681, 37.9212

Triad

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



38.0883, 46.1681, 28.7337



39.3263, 46.1681, 83.6168



55.5811, 46.1681, 48.0761

Complementary

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



38.0883, 46.1681, 28.7337



30.9561, 27.1466, 51.7549

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.



54.3527, 46.1681, 65.0431



38.0883, 46.1681, 28.7337



44.6632, 46.1681, 87.9395

Square

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



38.0883, 46.1681, 28.7337



35.5203, 46.1681, 69.7290



50.2340, 46.1681, 80.5309



53.4613, 46.1681, 34.8154

Rectangle

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



38.0883, 46.1681, 28.7337



33.9752, 46.1681, 47.1610



50.2340, 46.1681, 80.5309



55.5472, 46.1681, 53.5110

Sweetspot

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



38.0895, 46.1701, 28.7347



80.4417, 88.3163, 82.4552



36.8409, 35.8625, 26.8109



17.0972, 18.8998, 17.1969



90.7827, 95.5105, 104.0109



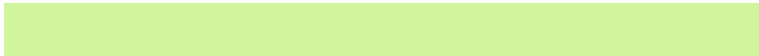
18.6292, 19.5994, 21.3438

Same Dimension

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



38.0895, 46.1701, 28.7347



65.0107, 81.1966, 43.9977



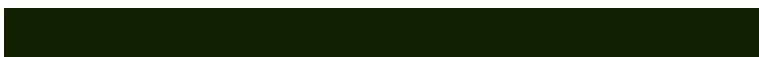
32.7956, 43.4410, 28.4869



9.9396, 10.9233, 10.1612



16.8905, 26.8832, 4.2988



0.7338, 1.0902, 0.1718

Inverse Universe

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



30.9561, 27.1466, 51.7549



50.2508, 41.8209, 91.6499



37.0382, 30.2820, 52.0395



9.3712, 9.4082, 11.9943



8.2818, 3.5555, 32.6427



0.3986, 0.1775, 1.2821

Previews

White Background



This preview shows how the XYZ color 38.0883, 46.1681, 28.7337 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 38.0883, 46.1681, 28.7337 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 38.0883, 46.1681, 28.7337

Background



This preview shows how black text looks on a background with the XYZ color 38.0883, 46.1681, 28.7337.



This preview shows how white text looks on a background with the XYZ color 38.0883, 46.1681,

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

38.0883, 46.1681, 28.7337

Protanopia

42.7232, 45.8031, 27.0112

Deuteranopia

46.7573, 45.7825, 29.2942



Tritanopia

44.0534, 46.1018, 58.2064

Trichromacy



Original Color

38.0883, 46.1681, 28.7337

Protanomaly

40.6631, 45.6423, 27.4355

Deuteranomaly

43.1881, 45.6972, 29.0984

Tritanomaly

41.6001, 46.0302, 45.7219

Monochromacy



Original Color

38.0883, 46.1681, 28.7337

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.8823, 44.3565, 39.7173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0883, 46.1681, 28.7337 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(166, 189, 132)` looks like.

```
.text, #text, p{  
    color:rgb(166, 189, 132)  
}
```

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(166, 189, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 189, 132) }
```

Border

The CSS property to change the border of an element to XYZ 38.0883, 46.1681, 28.7337 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(166, 189, 132) }
```


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

```
.border{ border-color:rgb(166, 189, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 189, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 189, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 189, 132); box-shadow:4px 4px 4px 4px rgb(166, 189, 132) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0883, 46.1681, 28.7337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 189, 132) }
```

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

```
.background{ background-color: rgb(166,  
189, 132) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor