

Converting Colors

XYZ(38.4999, 46.2850, 28.7748)

Have a look what the booklet for
XYZ(38.4999, 46.2850, 28.7748)
contains.

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Color

**XYZ(38.5109, 46.3860,
28.7534)**

Conversions

Conversions Part 1

Format	Color
Hex	A8BD84
RGB	168, 189, 132
RGB Percent	66%, 74%, 52%
CMY	0.3412, 0.2588, 0.4823
CMYK	0.11, 0.00, 0.30, 0.26
HSL	82°, 30%, 63%
HSV	82°, 30%, 74%
XYZ	38.5109, 46.3860, 28.7534
YIQ	176.2230, 5.7810, -22.1790

Conversions

Conversions Part 2

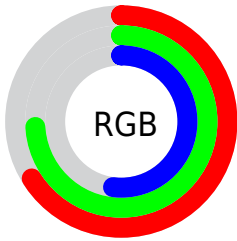
Format	Color
RYB	132, 189, 153
Decimal	11058564
CIELab	73.80, -17.06, 26.51
CIELCh	74, 31.523, 122.771
Yxy	46.3860, 0.3389, 0.4081
Android (android.graphics.Color)	4289248644 (0xFFA8BD84)
YUV	176.2230, -21.8019, -7.2116
Hunter-Lab	68.1073, -18.2558, 22.6441

Details

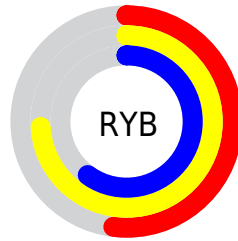
The XYZ color **38.5109, 46.3860, 28.7534** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.5753, 26.9502, 51.7372**, and the grayscale version is **41.4923, 43.6532, 47.5383**.

A 20% lighter version of the original color is **72.1498, 84.6549, 58.4363**, and **17.3974, 21.8624, 11.2856** is the 20% darker color. If you saturate the color by 10%, you get **35.8901, 45.1725, 22.4802**, and if you desaturate by 10%, it is **41.4478, 47.7382, 36.2664**.

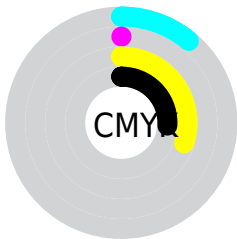
Distribution



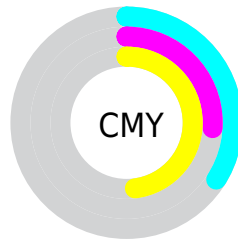
- Red (66%)
- Green (74%)
- Blue (52%)



- Red (52%)
- Yellow (74%)
- Blue (60%)



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



- Cyan (34%)
- Magenta (26%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5109, 46.3860, 28.7534 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 38.5109, 46.3860, 28.7534 by changing the saturation by 10% instead.

■ 38.5109, 46.3860,
28.7534

■ 38.5109, 46.3860,
28.7534

331.0496,
372.3583, 310.0741

■ 26.5585, 32.5505,
18.6504

■ 72.1894, 84.7964,
58.7226

■ 17.3768, 21.7823,
11.2437

■ 94.6462, 110.1401,
79.4258

■ 10.6004, 13.6971,
6.1148

■ 121.3351,
140.0887, 104.4995

■ 5.8641, 7.9103,
2.8451

152.6216,
175.0265, 134.3622

■ 2.8025, 4.0376,
1.0161

188.8709,
215.3380, 169.4325

■ 1.0502, 1.6946,
0.0000

230.4484,

■ 0.0000, 0.4202,

261.4075, 210.1289

0.0000

277.7196,
313.6195, 256.8699

■ 0.0000, 0.0000,
0.0000

■ 38.5109, 46.3860,
28.7534

■ 38.5109, 46.3860,
28.7534

■ 35.8901, 45.1725,
22.4802

■ 41.4478, 47.7382,
36.2664

■ 33.5680, 44.0860,
17.3772

■ 44.7103, 49.2285,
45.0780

■ 31.5307, 43.1223,
13.3722


■ 48.3116, 50.8636,
55.2467

■ 29.7615, 42.2745,
10.3841


■ 52.2630, 52.6485,
66.8267


■ 28.2415, 41.5350,
8.3202


■ 56.5756, 54.5875,
79.8692


 26.9485, 40.8947,
7.0714

 61.2595, 56.6848,
94.4229

 25.8559, 40.3447,
6.4246

 64.7899, 58.3308,
102.4519

 66.9010, 59.4191,
102.5507

 69.1004, 60.5529,
102.6536

Harmonies

Analogous

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



43.5698, 46.3860, 25.5336



38.5109, 46.3860, 28.7534



35.1869, 46.3860, 37.6649

Triad

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



38.5109, 46.3860, 28.7534



39.3411, 46.3860, 83.2051



55.7472, 46.3860, 49.0296

Complementary

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



38.5109, 46.3860, 28.7534



30.5753, 26.9502, 51.7372

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.



54.3775, 46.3860, 65.9782



38.5109, 46.3860, 28.7534



44.6114, 46.3860, 88.0132

Square

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



38.5109, 46.3860, 28.7534



35.6369, 46.3860, 69.1137



50.1802, 46.3860, 81.1419



53.7807, 46.3860, 35.5801

Rectangle

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



38.5109, 46.3860, 28.7534



34.2420, 46.3860, 46.7230



50.1802, 46.3860, 81.1419



55.6619, 46.3860, 54.4889

Sweetspot

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



38.5121, 46.3880, 28.7544



80.6988, 88.4489, 82.4672



36.5277, 35.2361, 26.7064



17.1608, 18.9326, 17.1998



90.7827, 95.5105, 104.0109



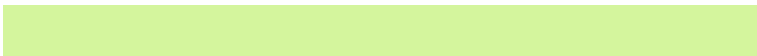
18.6292, 19.5994, 21.3438

Same Dimension

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



38.5121, 46.3880, 28.7544



65.8955, 81.6527, 44.0391



33.1119, 43.6041, 28.5017



9.9721, 10.9400, 10.1627



17.4822, 27.1883, 4.3265



0.7545, 1.1009, 0.1727

Inverse Universe

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



30.5753, 26.9502, 51.7372



49.4748, 41.4209, 91.6136



36.5883, 30.0500, 52.0186



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 38.5109, 46.3860, 28.7534 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 38.5109, 46.3860, 28.7534 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

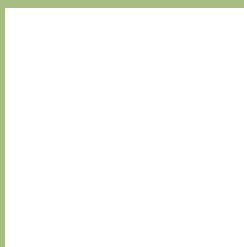
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5109, 46.3860, 28.7534

Background



This preview shows how black text looks on a background with the XYZ color 38.5109, 46.3860, 28.7534.



This preview shows how white text looks on a background with the XYZ color 38.5109, 46.3860,

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

38.5109, 46.3860, 28.7534

Protanopia

42.9920, 46.2348, 27.4272

Deuteranopia

47.2408, 46.3175, 29.3720



Tritanopia

44.5057, 46.3350, 58.2276

Trichromacy



Original Color

38.5109, 46.3860, 28.7534

Protanomaly

41.1773, 46.2070, 27.8677

Deuteranomaly

43.4491, 45.8317, 29.1107

Tritanomaly

42.0424, 46.2582, 45.7426

Monochromacy



Original Color

38.5109, 46.3860, 28.7534

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.1026, 44.4700, 39.7276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5109, 46.3860, 28.7534 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(168, 189, 132)` looks like.

```
.text, #text, p{  
    color:rgb(168, 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(168, 189, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 189, 132) }
```

Border

The CSS property to change the border of an element to XYZ 38.5109, 46.3860, 28.7534 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(168, 189, 132) }
```


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

```
.border{ border-color:rgb(168, 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(168, 189, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 189, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 189, 132);  
box-shadow:4px 4px 4px 4px rgb(168, 189,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5109, 46.3860, 28.7534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 189, 132) }
```

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

```
.background{ background-color: rgb(168,  
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](#).

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