

Converting Colors

XYZ(38.4279, 48.1807, 30.6215)

Have a look what the booklet for
XYZ(38.4279, 48.1807, 30.6215)
contains.

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Color

**XYZ(38.4562, 48.2814,
30.5849)**

Conversions

Conversions Part 1

Format	Color
Hex	A0C388
RGB	160, 195, 136
RGB Percent	63%, 76%, 53%
CMY	0.3725, 0.2353, 0.4667
CMYK	0.18, 0.00, 0.30, 0.24
HSL	96°, 33%, 65%
HSV	96°, 30%, 76%
XYZ	38.4562, 48.2814, 30.5849
YIQ	177.8090, -1.9210, -25.7690

Conversions

Conversions Part 2

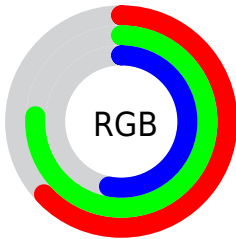
Format	Color
RYB	136, 195, 171
Decimal	10535816
CIELab	75.00, -22.44, 25.92
CIELCh	75, 34.282, 130.886
Yxy	48.2814, 0.3278, 0.4115
Android (android.graphics.Color)	4288725896 (0xFFA0C388)
YUV	177.8090, -20.6118, -15.6185
Hunter-Lab	69.4848, -22.8081, 22.5419

Details

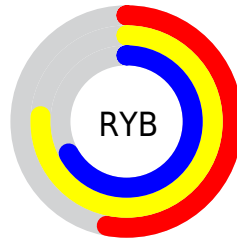
The XYZ color **38.4562, 48.2814, 30.5849** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.4512, 30.2078, 55.5947**, and the grayscale version is **42.3232, 44.5273, 48.4903**.

A 20% lighter version of the original color is **72.1290, 87.7856, 61.8579**, and **17.3889, 22.9098, 12.3096** is the 20% darker color. If you saturate the color by 10%, you get **34.9887, 46.6411, 23.8348**, and if you desaturate by 10%, it is **42.3937, 50.1377, 38.6751**.

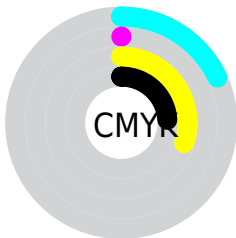
Distribution



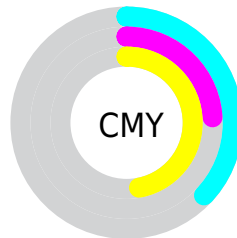
- Red (63%)
- Green (76%)
- Blue (53%)



- Red (53%)
- Yellow (76%)
- Blue (67%)



- Cyan (18%)
- Magenta (0%)
- Yellow (30%)
- Black (24%)





- Cyan (37%)
- Magenta (24%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4562, 48.2814, 30.5849 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 38.4562, 48.2814, 30.5849 by changing the saturation by 10% instead.


 38.4562, 48.2814,
30.5849


 38.4562, 48.2814,
30.5849


330.8200,
379.9064, 318.9131


 26.5158, 34.0498,
20.0272


 72.1062, 87.6232,
61.6578

 17.3446, 22.9318,
12.2305


 94.5466, 113.5022,
83.0101

 10.5773, 14.5432,
6.7764

 121.2175,
144.0325, 108.7977

 5.8486, 8.4994,
3.2464

152.4846,
179.5984, 139.4390

 2.7930, 4.4161,
1.2218

188.7130,
220.5844, 175.3527

 1.0453, 1.9090,
0.0000

230.2681,

 0.0000, 0.5538,

267.3748, 216.9572

0.0000

277.5153,
320.3540, 264.6712

■ 0.0000, 0.0000,
0.0000

■ 38.4562, 48.2814,
30.5849

■ 38.4562, 48.2814,
30.5849

■ 34.9887, 46.6411,
23.8348

■ 42.3937, 50.1377,
38.6751

■ 31.9678, 45.2021,
18.3495

■ 46.8156, 52.2117,
48.1693

■ 29.3738, 43.9573,
14.0506


■ 51.7404, 54.5131,
59.1308


■ 27.1835, 42.8967,
10.8502


■ 57.1845, 57.0488,
71.6183

■ 25.3712, 42.0093,
8.6477


■ 63.1634, 59.8259,
85.6874


 23.9074, 41.2825,
7.3243

 69.6918, 62.8506,
101.3905

 22.7668, 40.7081,
6.6575

 73.8359, 64.9500,
103.2528

 77.9112, 67.0509,
103.4435

 78.8061, 67.5123,
103.4854

Harmonies

Analogous

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



43.6550, 48.2814, 25.4723



38.4562, 48.2814, 30.5849



35.4341, 48.2814, 42.0746

Triad

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



38.4562, 48.2814, 30.5849



42.0618, 48.2814, 92.3145



58.7489, 48.2814, 46.3272

Complementary

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



38.4562, 48.2814, 30.5849



35.4512, 30.2078, 55.5947

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.



58.2236, 48.2814, 64.6805



38.4562, 48.2814, 30.5849



48.2001, 48.2814, 94.1897

Square

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



38.4562, 48.2814, 30.5849



37.3813, 48.2814, 78.5056



54.2250, 48.2814, 83.1624



55.6009, 48.2814, 33.0867

Rectangle

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



38.4562, 48.2814, 30.5849



34.8799, 48.2814, 53.1049



54.2250, 48.2814, 83.1624



59.0028, 48.2814, 52.0392

Sweetspot

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



38.4574, 48.2835, 30.5859



84.7836, 93.9474, 88.3290



41.4045, 42.2875, 29.2733



18.2940, 20.4459, 18.7456



0.0000, 0.0000, 0.0000



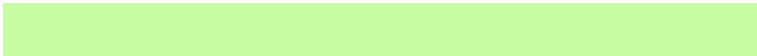
20.3446, 21.4041, 23.3091

Same Dimension

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



38.4574, 48.2835, 30.5859



64.8645, 84.5754, 46.8874



34.4714, 46.1873, 32.2658



10.3237, 11.4543, 10.7287



14.8865, 26.5031, 4.3310



0.7212, 1.1853, 0.1908

Inverse Universe

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



35.4512, 30.2078, 55.5947



58.6535, 47.2662, 98.5017



40.6151, 32.9331, 52.9815



10.0883, 10.0367, 12.6904



11.1536, 5.0103, 33.9358



0.5584, 0.2559, 1.4698

Previews

White Background



This preview shows how the XYZ color 38.4562, 48.2814, 30.5849 looks on a white background.

Color Contrast Check

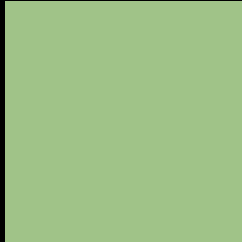
Large Text (above 18pt) WCAG AA × Fail

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 38.4562, 48.2814, 30.5849 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 38.4562, 48.2814, 30.5849

Background



This preview shows how black text looks on a background with the XYZ color 38.4562, 48.2814, 30.5849.



This preview shows how white text looks on a background with the XYZ color 38.4562, 48.2814,

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

38.4562, 48.2814, 30.5849

Protanopia

44.5259, 47.9254, 28.3765

Deuteranopia

49.0710, 48.0894, 31.5068



Tritanopia

44.8905, 48.3037, 62.2159

Trichromacy



Original Color

38.4562, 48.2814, 30.5849

Protanomaly

41.9840, 47.8502, 29.2135

Deuteranomaly

44.5656, 47.8808, 31.3192

Tritanomaly

42.0752, 48.1082, 48.6632

Monochromacy



Original Color

38.4562, 48.2814, 30.5849

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.5459, 45.5833, 41.3118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4562, 48.2814, 30.5849 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(160, 195, 136)` looks like.

```
.text, #text, p{  
    color:rgb(160, 195, 136)  
}
```

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(160, 195, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 195, 136) }
```

Border

The CSS property to change the border of an element to XYZ 38.4562, 48.2814, 30.5849 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(160, 195, 136) }
```


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

```
.border{ border-color:rgb(160, 195, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 195, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 195, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 195, 136);  
box-shadow:4px 4px 4px 4px rgb(160, 195,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4562, 48.2814, 30.5849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 195, 136) }
```

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

```
.background{ background-color: rgb(160,  
195, 136) }
```

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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