

Converting Colors

XYZ(38.0331, 47.9932, 28.3277)

Have a look what the booklet for
XYZ(38.0331, 47.9932, 28.3277)
contains.

XYZ(38.0416, 48.1155, 28.4013)	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(38.0416, 48.1155,
28.4013)**

Conversions

Conversions Part 1

Format	Color
Hex	A0C382
RGB	160, 195, 130
RGB Percent	63%, 76%, 51%
CMY	0.3725, 0.2353, 0.4902
CMYK	0.18, 0.00, 0.33, 0.24
HSL	92°, 35%, 64%
HSV	92°, 33%, 76%
XYZ	38.0416, 48.1155, 28.4013
YIQ	177.1250, 0.0050, -27.6350

Conversions

Conversions Part 2

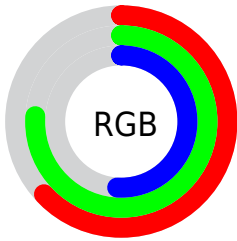
Format	Color
RYB	130, 195, 165
Decimal	10535810
CIELab	74.90, -23.32, 28.93
CIELCh	75, 37.163, 128.874
Yxy	48.1155, 0.3321, 0.4200
Android (android.graphics.Color)	4288725890 (0xFFA0C382)
YUV	177.1250, -23.2326, -15.0186
Hunter-Lab	69.3653, -23.4957, 24.2797

Details

The XYZ color **38.0416, 48.1155, 28.4013** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.3520, 27.9061, 55.2609**, and the grayscale version is **41.9750, 44.1610, 48.0913**.

A 20% lighter version of the original color is **71.6765, 87.6386, 57.9379**, and **17.0362, 22.7547, 11.0836** is the 20% darker color. If you saturate the color by 10%, you get **34.8438, 46.6056, 22.0547**, and if you desaturate by 10%, it is **41.6673, 49.8203, 36.0647**.

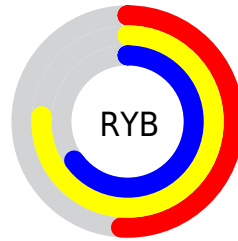
Distribution



Red (63%)

Green (76%)

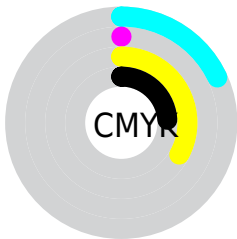
Blue (51%)



Red (51%)

Yellow (76%)

Blue (65%)

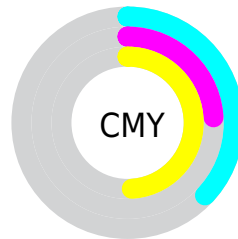


Cyan (18%)

Magenta (0%)

Yellow (33%)

Black (24%)



Cyan (37%)

Magenta (24%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0416, 48.1155, 28.4013 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 38.0416, 48.1155, 28.4013 by changing the saturation by 10% instead.

■ 38.0416, 48.1155,
28.4013

■ 38.0416, 48.1155,
28.4013

329.0762,
379.2498, 308.3516

■ 26.1923, 33.9184,
18.3867

■ 71.4754, 87.3763,
58.1553

■ 17.1010, 22.8309,
11.0557

■ 93.7906, 113.2088,
78.7318

■ 10.4023, 14.4687,
5.9897

■ 120.3252,
143.6886, 103.6660

■ 5.7308, 8.4474,
2.7701

151.4445,
179.2000, 133.3764

■ 2.7212, 4.3825,
0.9785

187.5139,
220.1274, 168.2817

■ 1.0081, 1.8898,
0.0000

228.8988,

■ 0.0000, 0.5422,

266.8552, 208.8003

0.0000

275.9644,
319.7679, 255.3507

■ 0.0000, 0.0000,
0.0000

■ 38.0416, 48.1155,
28.4013

■ 38.0416, 48.1155,
28.4013

■ 34.8438, 46.6056,
22.0547

■ 41.6673, 49.8203,
36.0647

■ 32.0517, 45.2764,
16.9477

■ 45.7345, 51.7209,
45.1102

■ 29.6467, 44.1215,
12.9996


■ 50.2603, 53.8265,
55.6025


■ 27.6067, 43.1314,
10.1190


■ 55.2601, 56.1436,
67.6012


■ 25.9068, 42.2958,
8.2009


■ 60.7483, 58.6784,
81.1627


 24.5179, 41.6023,
7.1186

 66.7387, 61.4369,
96.3404

 23.7320, 41.2056,
6.7027

 71.3363, 63.6614,
103.1358

 74.8772, 65.4868,
103.3015

 78.6258, 67.4193,
103.4769

Harmonies

Analogous

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



43.7541, 48.1155, 23.5200



38.0416, 48.1155, 28.4013



34.6359, 48.1155, 40.0723

Triad

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



38.0416, 48.1155, 28.4013



41.2006, 48.1155, 95.4105



59.8325, 48.1155, 46.8482

Complementary

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



38.0416, 48.1155, 28.4013



33.3520, 27.9061, 55.2609

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.



58.9767, 48.1155, 67.0030



38.0416, 48.1155, 28.4013



47.7693, 48.1155, 98.5139

Square

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



38.0416, 48.1155, 28.4013



36.3308, 48.1155, 79.4339



54.3955, 48.1155, 87.0910



56.6302, 48.1155, 32.3075

Rectangle

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



38.0416, 48.1155, 28.4013



33.9164, 48.1155, 51.6605



54.3955, 48.1155, 87.0910



60.0160, 48.1155, 53.1255

Sweetspot

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



38.0428, 48.1176, 28.4023



84.3932, 93.7868, 86.4761



39.9319, 40.0058, 26.7370



18.2335, 20.4230, 18.3687



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.



38.0428, 48.1176, 28.4023



63.8838, 84.1691, 42.3579



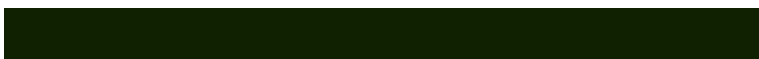
32.8987, 45.4487, 28.9289



10.3763, 11.4814, 10.7311



15.5186, 26.8290, 4.3606



0.7499, 1.2001, 0.1921

Inverse Universe

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



33.3520, 27.9061, 55.2609



54.1958, 42.4417, 97.8054



40.0972, 31.4115, 54.3068



10.0348, 10.0091, 12.6879



10.2871, 4.5636, 33.8953



0.5233, 0.2378, 1.4682

Previews

White Background



This preview shows how the XYZ color 38.0416, 48.1155, 28.4013 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 38.0416, 48.1155, 28.4013 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

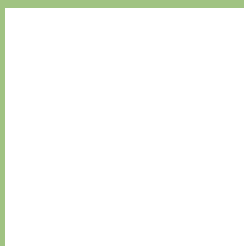
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.0416, 48.1155, 28.4013

Background



This preview shows how black text looks on a background with the XYZ color 38.0416, 48.1155, 28.4013.



This preview shows how white text looks on a background with the XYZ color 38.0416, 48.1155,

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

38.0416, 48.1155, 28.4013

Protanopia

44.3953, 47.9038, 26.3085

Deuteranopia

48.7419, 47.6773, 29.1879



Tritanopia

44.8961, 47.9928, 62.1556

Trichromacy



Original Color

38.0416, 48.1155, 28.4013

Protanomaly

41.8216, 47.8130, 27.1033

Deuteranomaly

44.1931, 47.4307, 29.0161

Tritanomaly

41.8718, 47.7058, 47.5587

Monochromacy



Original Color

38.0416, 48.1155, 28.4013

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.2802, 45.4770, 39.9126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0416, 48.1155, 28.4013 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(160, 195, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 195, 130) }
```

Border

The CSS property to change the border of an element to XYZ 38.0416, 48.1155, 28.4013 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, 130) }
```


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

```
.border{ border-color:rgb(160, 195, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 195, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 195, 130); box-shadow:4px 4px 4px 4px rgb(160, 195, 130) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0416, 48.1155, 28.4013 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, 130) }
```

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

```
.background{ background-color: rgb(160,  
195, 130) }
```

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