

Converting Colors

XYZ(38.0357, 48.7665, 29.2380)

Have a look what the booklet for
XYZ(38.0357, 48.7665, 29.2380)
contains.

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Color

**XYZ(38.0357, 48.7665,
29.2380)**

Conversions

Conversions Part 1

Format	Color
Hex	9DC584
RGB	157, 197, 132
RGB Percent	62%, 77%, 52%
CMY	0.3843, 0.2274, 0.4823
CMYK	0.20, 0.00, 0.33, 0.23
HSL	97°, 36%, 65%
HSV	97°, 33%, 77%
XYZ	38.0357, 48.7665, 29.2380
YIQ	177.6300, -2.9750, -28.6950

Conversions

Conversions Part 2

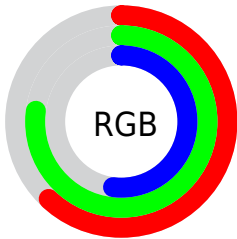
Format	Color
RYB	132, 197, 172
Decimal	10339716
CIELab	75.31, -25.10, 28.39
CIELCh	75, 37.898, 131.479
Yxy	48.7665, 0.3278, 0.4203
Android (android.graphics.Color)	4288529796 (0xFF9DC584)
YUV	177.6300, -22.4956, -18.0925
Hunter-Lab	69.8330, -24.9848, 24.0593

Details

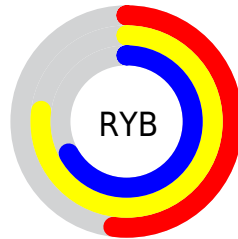
The XYZ color **38.0357, 48.7665, 29.2380** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.3447, 29.3058, 56.6197**, and the grayscale version is **42.2386, 44.4383, 48.3933**.

A 20% lighter version of the original color is **71.4561, 88.4258, 59.7561**, and **17.0544, 23.1972, 11.5613** is the 20% darker color. If you saturate the color by 10%, you get **34.5640, 47.1196, 22.6907**, and if you desaturate by 10%, it is **41.9993, 50.6405, 37.1392**.

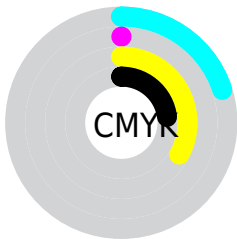
Distribution



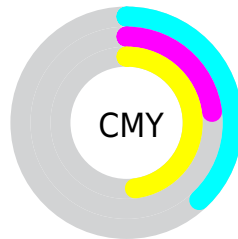
- Red (62%)
- Green (77%)
- Blue (52%)



- Red (52%)
- Yellow (77%)
- Blue (67%)



- Cyan (20%)
- Magenta (0%)
- Yellow (33%)
- Black (23%)



- Cyan (38%)
- Magenta (23%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0357, 48.7665, 29.2380 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 38.0357, 48.7665, 29.2380 by changing the saturation by 10% instead.

■ 38.0357, 48.7665,
29.2380

■ 38.0357, 48.7665,
29.2380

329.0513,
381.8224, 312.4323

■ 26.1877, 34.4343,
19.0138

■ 71.4664, 88.3446,
59.5017

■ 17.0976, 23.2274,
11.5033

■ 93.7798, 114.3592,
80.3783

■ 10.3998, 14.7615,
6.2881

■ 120.3125,
145.0368, 105.6428

■ 5.7291, 8.6522,
2.9494

151.4297,
180.7616, 135.7137

■ 2.7202, 4.5150,
1.0689

187.4968,
221.9183, 171.0095

■ 1.0076, 1.9656,
0.0000

228.8792,

■ 0.0000, 0.5874,

268.8910, 211.9489

0.0000

275.9423,
322.0642, 258.9503

■ 0.0000, 0.0000,
0.0000

■ 38.0357, 48.7665,
29.2380

■ 38.0357, 48.7665,
29.2380

■ 34.5640, 47.1196,
22.6907

■ 41.9993, 50.6405,
37.1392

■ 31.5592, 45.6841,
17.4181

■ 46.4708, 52.7440,
46.4611

■ 28.9997, 44.4523,
13.3378


■ 51.4701, 55.0871,
57.2700


■ 26.8603, 43.4132,
10.3563


■ 57.0146, 57.6777,
69.6270


■ 25.1127, 42.5546,
8.3661

■ 63.1213, 60.5231,
83.5900


 23.7242, 41.8623,
7.2382

 69.8060, 63.6303,
99.2135

 22.9290, 41.4613,
6.7944

 74.5903, 66.0086,
103.4173

 78.8878, 68.2240,
103.6185

 79.2572, 68.4145,
103.6357

Harmonies

Analogous

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



43.7370, 48.7665, 23.6859



38.0357, 48.7665, 29.2380



34.7783, 48.7665, 41.8247

Triad

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



38.0357, 48.7665, 29.2380



42.2265, 48.7665, 98.3934



60.7509, 48.7665, 45.8264

Complementary

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



38.0357, 48.7665, 29.2380



35.3447, 29.3058, 56.6197

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.



60.2425, 48.7665, 66.2352



38.0357, 48.7665, 29.2380



49.0673, 48.7665, 100.2440

Square

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



38.0357, 48.7665, 29.2380



37.0255, 48.7665, 82.7642



55.7979, 48.7665, 87.3228



57.1242, 48.7665, 31.5330

Rectangle

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



38.0357, 48.7665, 29.2380



34.2125, 48.7665, 54.0945



55.7979, 48.7665, 87.3228



61.0669, 48.7665, 52.1146

Sweetspot

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



38.0369, 48.7686, 29.2391



85.6730, 95.6093, 88.4343



41.7556, 42.6640, 27.8648



18.0725, 20.3400, 18.3612



0.0000, 0.0000, 0.0000



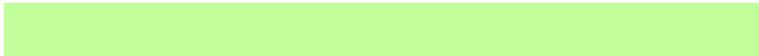
20.3446, 21.4041, 23.3091

Same Dimension

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



38.0369, 48.7686, 29.2391



63.3055, 85.0560, 43.2179



34.1072, 46.6897, 31.4502



10.8767, 12.0834, 11.3218



15.1675, 27.3144, 4.4728



0.7988, 1.3349, 0.2156

Inverse Universe

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



35.3447, 29.3058, 56.6197



57.6932, 44.5669, 100.1692



40.6281, 32.1138, 53.0618



10.6728, 10.6051, 13.4020



11.9328, 5.3858, 35.1550



0.6441, 0.2958, 1.6683

Previews

White Background



This preview shows how the XYZ color 38.0357, 48.7665, 29.2380 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 38.0357, 48.7665, 29.2380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

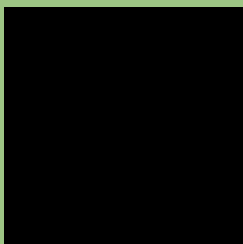
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

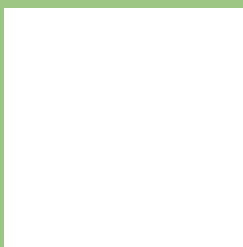
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.0357, 48.7665, 29.2380

Background



This preview shows how black text looks on a background with the XYZ color 38.0357, 48.7665, 29.2380.



This preview shows how white text looks on a background with the XYZ color 38.0357, 48.7665,

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

38.0357, 48.7665, 29.2380

Protanopia

44.9991, 48.5096, 27.0703

Deuteranopia

49.3795, 48.2819, 30.0093



Tritanopia

44.9112, 48.6031, 63.5142

Trichromacy



Original Color

38.0357, 48.7665, 29.2380

Protanomaly

41.9272, 48.1705, 27.8569

Deuteranomaly

44.2786, 47.7660, 29.8077

Tritanomaly

41.8765, 48.3284, 48.7162

Monochromacy



Original Color

38.0357, 48.7665, 29.2380

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.3595, 45.8172, 40.4346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0357, 48.7665, 29.2380 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(157, 197, 132)` looks like.

```
.text, #text, p{  
    color:rgb(157, 197, 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(157, 197, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 197, 132) }
```

Border

The CSS property to change the border of an element to XYZ 38.0357, 48.7665, 29.2380 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(157, 197, 132) }
```


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

```
.border{ border-color:rgb(157, 197, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 197, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 197, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 197, 132); box-shadow:4px 4px 4px 4px rgb(157, 197, 132) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0357, 48.7665, 29.2380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 197, 132) }
```

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

```
.background{ background-color: rgb(157,  
197, 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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