

Converting Colors

XYZ(38.2004, 48.2131, 9.7323)

Have a look what the booklet for
XYZ(38.2004, 48.2131, 9.7323)
contains.

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Color

**XYZ(38.3558, 48.3567,
9.7948)**

Conversions

Conversions Part 1

Format	Color
Hex	B3C22D
RGB	179, 194, 45
RGB Percent	70%, 76%, 18%
CMY	0.2980, 0.2392, 0.8235
CMYK	0.08, 0.00, 0.77, 0.24
HSL	66°, 62%, 47%
HSV	66°, 77%, 76%
XYZ	38.3558, 48.3567, 9.7948
YIQ	172.5290, 38.8890, -49.5190

Conversions

Conversions Part 2

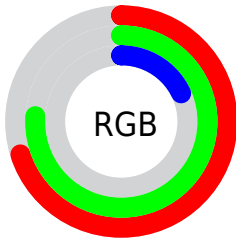
Format	Color
RYB	45, 194, 60
Decimal	11780653
CIELab	75.05, -22.97, 67.37
CIELCh	75, 71.175, 108.824
Yxy	48.3567, 0.3974, 0.5011
Android (android.graphics.Color)	4289970733 (0xFFB3C22D)
YUV	172.5290, -62.8718, 5.6751
Hunter-Lab	69.5390, -23.2375, 40.3261

Details

The XYZ color **38.3558, 48.3567, 9.7948** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **12.5410, 6.7335, 51.6806**, and the grayscale version is **39.7778, 41.8493, 45.5739**.

A 20% lighter version of the original color is **71.8937, 87.5276, 25.9373**, and **17.5509, 23.1873, 3.5506** is the 20% darker color. If you saturate the color by 10%, you get **37.6168, 48.0111, 8.2388**, and if you desaturate by 10%, it is **39.2750, 48.7787, 12.2566**.

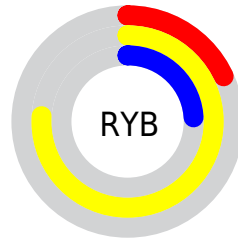
Distribution



Red (70%)

Green (76%)

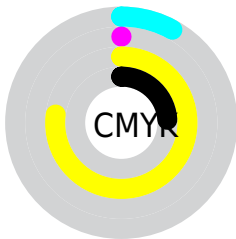
Blue (18%)



Red (18%)

Yellow (76%)

Blue (24%)

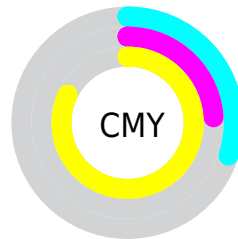


Cyan (8%)

Magenta (0%)

Yellow (77%)

Black (24%)



Cyan (30%)

Magenta (24%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3558, 48.3567, 9.7948 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 38.3558, 48.3567, 9.7948 by changing the saturation by 10% instead.

■ 38.3558, 48.3567,
9.7948

■ 38.3558, 48.3567,
9.7948

330.3983,
380.2043, 199.6325

■ 26.4374, 34.1095,
5.1593

■ 71.9535, 87.7353,
26.0106

■ 17.2856, 22.9777,
2.2807

■ 94.3636, 113.6354,
38.4279

■ 10.5349, 14.5770,
0.7204

■ 121.0016,
144.1885, 54.2763

■ 5.8200, 8.5231,
0.0000

■ 152.2330,
179.7792, 73.9742

■ 2.7755, 4.4314,
0.0000

■ 188.4229,
220.7917, 97.9403

■ 1.0362, 1.9177,
0.0000

■ 229.9369,

■ 0.0000, 0.5590,

267.6104, 126.5930

0.0000

277.1403,
320.6198, 160.3509

■ 0.0000, 0.0000,
0.0000

■ 38.3558, 48.3567,
9.7948

■ 38.3558, 48.3567,
9.7948

■ 37.6168, 48.0111,
8.2388

■ 39.2750, 48.7787,
12.2566

■ 37.0267, 47.7240,
7.4383

■ 40.3919, 49.2787,
15.7308

■ 36.8526, 47.6382,
7.2527

■ 41.7255, 49.8662,
20.3126

■ 43.2917, 50.5475,
26.0854

■ 45.1049, 51.3283,
33.1246

■ 47.1781, 52.2138,
41.4993

■ 49.5237, 53.2091,
51.2738

■ 52.1529, 54.3186,
62.5081

■ 55.0767, 55.5467,
75.2587

Harmonies

Analogous

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



50.9807, 48.3567, 9.0110



38.3558, 48.3567, 9.7948



29.5918, 48.3567, 18.1759

Triad

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



38.3558, 48.3567, 9.7948



31.3855, 48.3567, 127.0466



75.1175, 48.3567, 67.7885

Complementary

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



38.3558, 48.3567, 9.7948



12.5410, 6.7335, 51.6806

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.



67.4701, 48.3567, 115.2776



38.3558, 48.3567, 9.7948



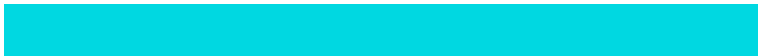
41.2832, 48.3567, 158.7953

Square

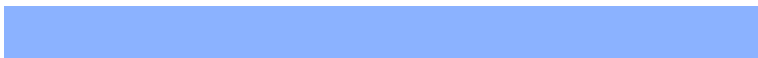
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.3558, 48.3567, 9.7948



26.1231, 48.3567, 79.3060



54.5117, 48.3567, 153.6898



73.9260, 48.3567, 32.7597

Rectangle

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



38.3558, 48.3567, 9.7948



26.3647, 48.3567, 30.7878



54.5117, 48.3567, 153.6898



73.4452, 48.3567, 82.9907

Sweetspot

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



38.3569, 48.3589, 9.7958



82.9507, 93.5182, 64.9457



24.3341, 14.8814, 4.0731



17.8756, 20.3554, 13.0663



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.



38.3569, 48.3589, 9.7958



67.4121, 86.6228, 13.8379



25.5461, 41.7547, 9.1963



10.8102, 11.7052, 10.7514



24.2678, 31.3394, 4.7701



1.0780, 1.3692, 0.2075

Inverse Universe

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



12.5410, 6.7335, 51.6806



18.9168, 8.0905, 93.0344



20.5730, 10.8742, 52.0565



9.6204, 9.7954, 12.6685



6.6189, 2.6726, 33.7236



0.3184, 0.1322, 1.4586

Previews

White Background



This preview shows how the XYZ color 38.3558, 48.3567, 9.7948 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 38.3558, 48.3567, 9.7948 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 38.3558, 48.3567, 9.7948

Background



This preview shows how black text looks on a background with the XYZ color 38.3558, 48.3567, 9.7948.



This preview shows how white text looks on a background with the XYZ color 38.3558, 48.3567,

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

38.3558, 48.3567, 9.7948

Protanopia

43.5171, 48.1377, 9.2834

Deuteranopia

48.9508, 47.9152, 10.1586



Tritanopia

48.1124, 48.1943, 58.3964

Trichromacy



Original Color

38.3558, 48.3567, 9.7948

Protanomaly

41.4638, 48.0186, 9.4660

Deuteranomaly

44.4769, 47.6920, 9.9933

Tritanomaly

42.7860, 47.5761, 31.7390

Monochromacy



Original Color

38.3558, 48.3567, 9.7948

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

37.9690, 43.6681, 26.1663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3558, 48.3567, 9.7948 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(179, 194, 45)` looks like.

```
.text, #text, p{  
    color:rgb(179, 194, 45)  
}
```

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(179, 194, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 194, 45) }
```

Border

The CSS property to change the border of an element to XYZ 38.3558, 48.3567, 9.7948 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(179, 194, 45) }
```


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

```
.border{ border-color:rgb(179, 194, 45) }
```

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

Here you see how a box with a 4 pixel rgb(179, 194, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 194, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 194, 45);  
box-shadow:4px 4px 4px 4px rgb(179, 194,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3558, 48.3567, 9.7948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 194, 45) }
```

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

```
.background{ background-color: rgb(179,  
194, 45) }
```

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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