

Converting Colors

CIELCh(38, 27.920, 115.077)

Have a look what the booklet for
CIELCh(38, 27.920, 115.077)
contains.

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Color

CIELCh(38, 28.250, 115.438)

Conversions

Conversions Part 1

Format	Color
Hex	545E2F
RGB	84, 94, 47
RGB Percent	33%, 37%, 18%
CMY	0.6707, 0.6315, 0.8158
CMYK	0.11, 0.00, 0.50, 0.63
HSL	73°, 33%, 28%
HSV	73°, 50%, 37%
XYZ	8.1656, 10.0881, 4.2030
YIQ	85.6520, 9.1270, -16.7370

Conversions

Conversions Part 2

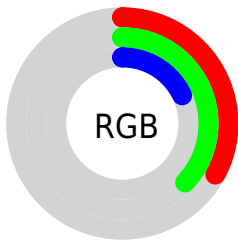
Format	Color
R_YB	47, 94, 57
Decimal	5529135
CIE _{Lab}	38.00, -12.13, 25.51
CIE _{LCh}	38, 28.250, 115.438
Yxy	10.0881, 0.3636, 0.4492
Android (android.graphics.Color)	4283719215 (0xFF545E2F)
YUV	85.6520, -19.0554, -1.4488
Hunter-Lab	31.7617, -9.6925, 14.3874

Details

The CIELCh color **38, 28.250, 115.438** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **23, 31.601, 302.681**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 28.125, 114.833**, and **18, 28.226, 115.285** is the 20% darker color. If you saturate the color by 10%, you get **38, 33.354, 114.948**, and if you desaturate by 10%, it is **38, 22.849, 116.011**.

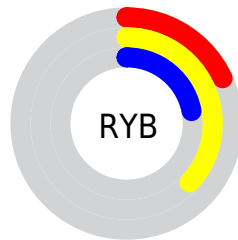
Distribution



Red (33%)

Green (37%)

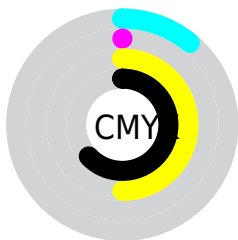
Blue (18%)



Red (18%)

Yellow (37%)

Blue (22%)

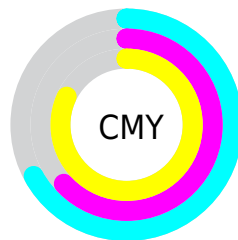


Cyan (11%)

Magenta (0%)

Yellow (50%)

Black (63%)



Cyan (67%)

Magenta (63%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 28.250, 115.438 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 CIELCh color 38, 28.250, 115.438 by changing the saturation by 10% instead.

 38, 28.250,
115.438

 38, 28.250,
115.438

 100, 28.250,
115.438

 28, 28.250,
115.438

 58, 28.250,
115.438

 18, 28.250,
115.438

 68, 28.250,
115.438

 8, 28.250, 115.438

 78, 28.250,
115.438

 0, 28.250, 115.438

 88, 28.250,
115.438

 98, 28.250,
115.438

■ 38, 28.250,
115.438

■ 38, 28.250,
115.438

■ 38, 33.354,
114.948

■ 38, 22.849,
116.011

■ 37, 38.004,
114.584

■ 39, 17.260,
116.623

■ 37, 41.993,
114.417

■ 39, 11.557,
117.250

■ 37, 45.094,
114.521

■ 39, 5.793, 117.877

■ 37, 47.911,
114.664

■ 40, 0.003, 121.935

■ 40, 5.788, 299.075

■ 41, 11.562,
299.639

■ 41, 17.306,
300.172

■ 42, 23.008,
300.675

Harmonies

Complementary

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



38, 28.250, 115.438



23, 31.601, 302.681

Rectangle

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



38, 28.250, 115.438



38, 28.250, 165.438



38, 28.250, 295.438



38, 28.250, 345.438

Sweetspot

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



38, 28.251, 115.440



51, 10.779, 117.536



28, 20.181, 39.679



25, 7.283, 117.451



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



38, 28.251, 115.440



49, 41.297, 114.869



36, 31.824, 133.386



19, 3.179, 117.952



43, 53.447, 114.871



88, 94.511, 115.587

Inverse Universe

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



23, 31.601, 302.681



26, 47.862, 304.000



25, 32.920, 317.687



17, 3.237, 299.049



11, 70.306, 307.726



31, 124.753, 307.261

Previews

White Background



This preview shows how the CIELCh color 38, 28.250, 115.438 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 38, 28.250, 115.438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

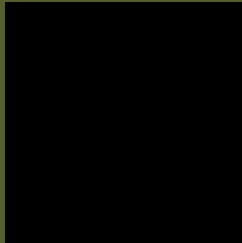
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 28.250, 115.438

Background



This preview shows how black text looks on a background with the CIELCh color 38, 28.250, 115.438.



This preview shows how white text looks on a background with the CIELCh color 38, 28.250, 115.438.

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, 28.250, 115.438

Protanopia

38, 26.833, 95.292

Deuteranopia

38, 25.158, 78.409



Tritanopia
38, 4.335, 296.309

Trichromacy



Original Color
38, 28.250, 115.438

Protanomaly
38, 26.856, 102.712

Deuteranomaly
38, 24.877, 92.522

Tritanomaly
38, 8.061, 118.329

Monochromacy



Original Color
38, 28.250, 115.438

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 10.578, 118.222

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 28.250, 115.438 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(84, 94, 47)` looks like.

```
.text, #text, p{  
    color:rgb(84, 94, 47)  
}
```

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(84, 94, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 94, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 28.250, 115.438 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(84, 94, 47) }
```

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

```
.border{ border-color:rgb(84, 94, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 94, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 94, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 94, 47);  
box-shadow:4px 4px 4px 4px rgb(84, 94, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 28.250, 115.438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 94, 47) }
```

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

```
.background{ background-color: rgb(84, 94,  
47) }
```

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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