

Converting Colors

CIELCh(38, 38.751, 116.252)

Have a look what the booklet for
CIELCh(38, 38.751, 116.252)
contains.

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Color

CIELCh(38, 38.840, 116.444)

Conversions

Conversions Part 1

Format	Color
Hex	4F601D
RGB	79, 96, 29
RGB Percent	31%, 38%, 11%
CMY	0.6907, 0.6240, 0.8867
CMYK	0.18, 0.00, 0.70, 0.62
HSL	75°, 54%, 24%
HSV	75°, 70%, 38%
XYZ	7.6058, 10.0881, 2.7008
YIQ	83.2790, 11.3750, -24.4410

Conversions

Conversions Part 2

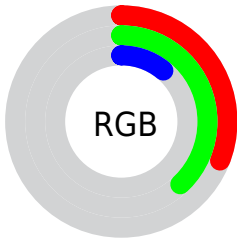
Format	Color
RYB	29, 96, 46
Decimal	5201949
CIELab	38.00, -17.30, 34.78
CIELCh	38, 38.840, 116.444
Yxy	10.0881, 0.3729, 0.4946
Android (android.graphics.Color)	4283392029 (0xFF4F601D)
YUV	83.2790, -26.7595, -3.7527
Hunter-Lab	31.7617, -12.8388, 17.1916

Details

The CIELCh color $[38, 38.840, 116.444]$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $[17, 45.817, 305.868]$, and the grayscale version is $[35, 0.005, 296.813]$.

A 20% lighter version of the original color is $[58, 39.026, 116.745]$, and $[18, 30.422, 122.218]$ is the 20% darker color. If you saturate the color by 10%, you get $[38, 42.950, 116.337]$, and if you desaturate by 10%, it is $[38, 34.064, 116.762]$.

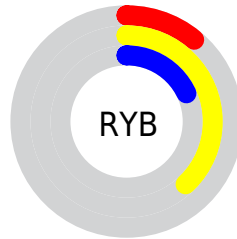
Distribution



Red (31%)

Green (38%)

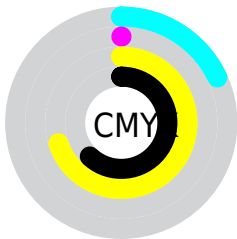
Blue (11%)



Red (11%)

Yellow (38%)

Blue (18%)

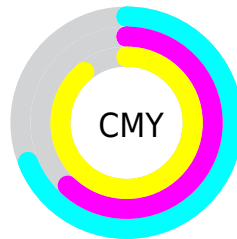


Cyan (18%)

Magenta (0%)

Yellow (70%)

Black (62%)



Cyan (69%)

Magenta (62%)

Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 38.840, 116.444 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, 38.840, 116.444 by changing the saturation by 10% instead.

 38, 38.840,
116.444

 38, 38.840,
116.444

 100, 38.840,
116.444

 28, 38.840,
116.444

 58, 38.840,
116.444

 18, 38.840,
116.444

 68, 38.840,
116.444

 8, 38.840, 116.444

 78, 38.840,
116.444

 0, 38.840, 116.444

 88, 38.840,
116.444

 98, 38.840,
116.444

■ 38, 38.840,
116.444

■ 38, 38.840,
116.444

■ 38, 42.950,
116.337

■ 38, 34.064,
116.762

■ 38, 46.157,
116.521

■ 39, 28.829,
117.212

■ 37, 49.030,
116.757

■ 39, 23.293,
117.744

■ 37, 49.066,
116.759

■ 39, 17.570,
118.318

■ 40, 11.735,
118.906

■ 40, 5.840, 119.493

■ 41, 0.077, 299.821

■ 41, 5.991, 300.606

■ 42, 11.883,
301.128

Harmonies

Complementary

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



38, 38.840, 116.444



17, 45.817, 305.868

Rectangle

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



38, 38.840, 116.444



38, 38.840, 166.444



38, 38.840, 296.444



38, 38.840, 346.444

Sweetspot

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



38, 38.840, 116.446



51, 15.406, 118.802



25, 29.924, 44.725



26, 10.503, 118.693



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



38, 38.840, 116.446



49, 54.546, 116.423



36, 44.355, 133.770



20, 3.344, 119.551



44, 54.881, 116.995



88, 96.342, 117.784

Inverse Universe

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



17, 45.817, 305.868



18, 67.707, 307.254



22, 45.711, 319.741



18, 3.404, 300.580



12, 71.047, 308.154



32, 125.068, 307.647

Previews

White Background



This preview shows how the CIELCh color 38, 38.840, 116.444 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 CIELCh color 38, 38.840, 116.444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

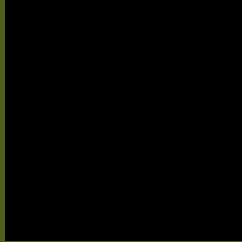
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 38.840, 116.444

Background



This preview shows how black text looks on a background with the CIELCh color 38, 38.840, 116.444.



This preview shows how white text looks on a background with the CIELCh color 38, 38.840, 116.444.

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, 38.840, 116.444

Protanopia

38, 36.474, 96.358

Deuteranopia

38, 33.836, 82.040



Tritanopia
38, 4.568, 270.068

Trichromacy



Original Color
38, 38.840, 116.444

Protanomaly
38, 36.517, 104.307

Deuteranomaly
38, 33.655, 96.140

Tritanomaly
38, 12.859, 126.352

Monochromacy



Original Color
38, 38.840, 116.444

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 15.639, 119.485

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 38.840, 116.444 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(79, 96, 29)` looks like.

```
.text, #text, p{  
    color:rgb(79, 96, 29)  
}
```

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(79, 96, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 96, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 38.840, 116.444 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(79, 96, 29) }
```

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

```
.border{ border-color:rgb(79, 96, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 96, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 96, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 96, 29);  
box-shadow:4px 4px 4px 4px rgb(79, 96, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 38.840, 116.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 96, 29) }
```

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

```
.background{ background-color: rgb(79, 96,  
29) }
```

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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