

Converting Colors

CIELCh(38, 45.418, 116.930)

Have a look what the booklet for
CIELCh(38, 45.418, 116.930)
contains.

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Color

CIELCh(38, 45.418, 116.930)

Conversions

Conversions Part 1

Format	Color
Hex	4B610E
RGB	75, 97, 14
RGB Percent	29%, 38%, 5%
CMY	0.7057, 0.6194, 0.9448
CMYK	0.23, 0.00, 0.86, 0.62
HSL	76°, 75%, 22%
HSV	76°, 86%, 38%
XYZ	7.2643, 10.0881, 1.9819
YIQ	80.9600, 13.5310, -30.4770

Conversions

Conversions Part 2

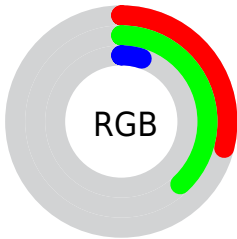
Format	Color
R_{YB}	14, 97, 36
Decimal	4940046
CIE _{Lab}	38.00, -20.57, 40.49
CIE _{LCh}	38, 45.418, 116.930
Yxy	10.0881, 0.3757, 0.5218
Android (android.graphics.Color)	4283130126 (0xFF4B610E)
YUV	80.9600, -33.0113, -5.2269
Hunter-Lab	31.7617, -14.7576, 18.5335

Details

The CIELCh color **38, 45.418, 116.930** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **13, 56.016, 307.398**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 45.660, 116.773**, and **18, 31.524, 126.998** is the 20% darker color. If you saturate the color by 10%, you get **38, 48.298, 117.241**, and if you desaturate by 10%, it is **38, 41.745, 116.866**.

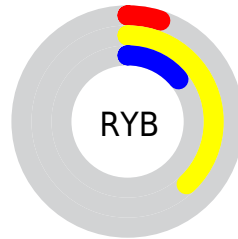
Distribution



Red (29%)

Green (38%)

Blue (5%)



Red (5%)

Yellow (38%)

Blue (14%)

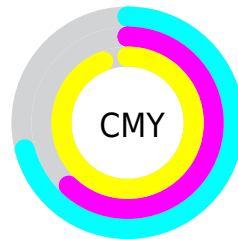


Cyan (23%)

Magenta (0%)

Yellow (86%)

Black (62%)



Cyan (71%)


Magenta (62%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 45.418, 116.930 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, 45.418, 116.930 by changing the saturation by 10% instead.


 38, 45.418,
116.930


 38, 45.418,
116.930

 100, 45.418,
116.930


 28, 45.418,
116.930

 58, 45.418,
116.930


 18, 45.418,
116.930


 68, 45.418,
116.930

 8, 45.418, 116.930

 78, 45.418,
116.930

 0, 45.418, 116.930

 88, 45.418,
116.930

 98, 45.418,
116.930

■ 38, 45.418,
116.930

■ 38, 45.418,
116.930

■ 38, 48.298,
117.241

■ 38, 41.745,
116.866

■ 38, 49.633,
117.334

■ 39, 37.262,
117.060

■ 39, 32.202,
117.431

■ 39, 26.753,
117.912

■ 40, 21.056,
118.457

■ 40, 15.207,
119.030

■ 40, 9.270, 119.610

■ 41, 3.293, 120.184

Harmonies

Complementary

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



38, 45.418, 116.930



13, 56.016, 307.398

Rectangle

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



38, 45.418, 116.930



38, 45.418, 166.930



38, 45.418, 296.930



38, 45.418, 346.930

Sweetspot

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



38, 45.418, 116.932



51, 19.071, 118.958



23, 38.454, 45.257



26, 13.016, 118.823



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, 45.418, 116.932



48, 59.497, 117.707



36, 51.964, 133.382



20, 3.350, 119.992



43, 55.044, 117.557



88, 96.658, 118.370

Inverse Universe

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



13, 56.016, 307.398



14, 76.697, 308.188



19, 53.410, 319.747



18, 3.409, 300.999



12, 70.918, 308.290



33, 124.855, 307.768

Previews

White Background



This preview shows how the CIELCh color 38, 45.418, 116.930 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, 45.418, 116.930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

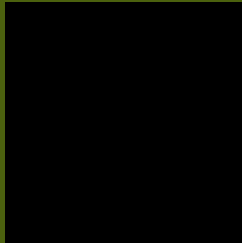
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 45.418, 116.930

Background



This preview shows how black text looks on a background with the CIELCh color 38, 45.418, 116.930.



This preview shows how white text looks on a background with the CIELCh color 38, 45.418, 116.930.

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, 45.418, 116.930

Protanopia

38, 42.241, 95.768

Deuteranopia

38, 38.972, 83.284



Tritanopia
38, 5.090, 257.270

Trichromacy



Original Color
38, 45.418, 116.930

Protanomaly
38, 42.704, 104.072

Deuteranomaly
38, 39.380, 96.371

Tritanomaly
38, 16.868, 127.874

Monochromacy



Original Color
38, 45.418, 116.930

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 18.705, 118.606

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 45.418, 116.930 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(75, 97, 14)` looks like.

```
.text, #text, p{  
    color:rgb(75, 97, 14)  
}
```

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(75, 97, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 97, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 45.418, 116.930 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(75, 97, 14) }
```

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

```
.border{ border-color:rgb(75, 97, 14) }
```

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

Here you see how a box with a 4 pixel rgb(75, 97, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 97, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 97, 14);  
box-shadow:4px 4px 4px 4px rgb(75, 97, 14)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 45.418, 116.930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 97, 14) }
```

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

```
.background{ background-color: rgb(75, 97,  
14) }
```

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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