

Converting Colors

CIELCh(38, 39.724, 117.731)

Have a look what the booklet for
CIELCh(38, 39.724, 117.731)
contains.

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Color

CIELCh(38, 39.505, 117.564)

Conversions

Conversions Part 1

Format	Color
Hex	4D601C
RGB	77, 96, 28
RGB Percent	30%, 38%, 11%
CMY	0.6970, 0.6225, 0.8892
CMYK	0.20, 0.00, 0.71, 0.62
HSL	77°, 55%, 24%
HSV	77°, 71%, 38%
XYZ	7.5020, 10.0881, 2.6669
YIQ	82.5670, 10.5040, -25.1760

Conversions

Conversions Part 2

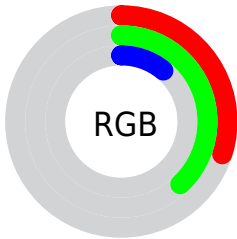
Format	Color
RYB	28, 96, 47
Decimal	5070876
CIELab	38.00, -18.28, 35.02
CIElCh	38, 39.505, 117.564
Yxy	10.0881, 0.3703, 0.4980
Android (android.graphics.Color)	4283260956 (0xFF4D601C)
YUV	82.5670, -26.9015, -4.8823
Hunter-Lab	31.7617, -13.4219, 17.2549

Details

The CIELCh color **38, 39.505, 117.564** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **17, 46.432, 306.547**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 39.711, 117.768**, and **18, 30.773, 123.906** is the 20% darker color. If you saturate the color by 10%, you get **38, 43.604, 117.509**, and if you desaturate by 10%, it is **38, 34.722, 117.842**.

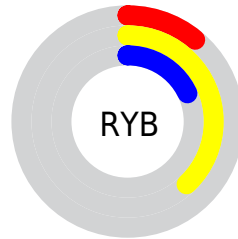
Distribution



Red (30%)

Green (38%)

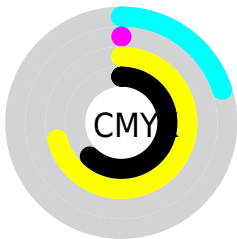
Blue (11%)



Red (11%)

Yellow (38%)

Blue (18%)

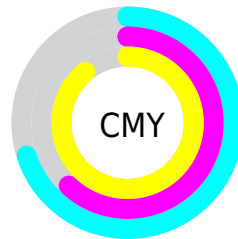


Cyan (20%)

Magenta (0%)

Yellow (71%)

Black (62%)



Cyan (70%)


Magenta (62%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 39.505, 117.564 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, 39.505, 117.564 by changing the saturation by 10% instead.


 38, 39.505,
117.564


 38, 39.505,
117.564

 100, 39.505,
117.564


 28, 39.505,
117.564

 58, 39.505,
117.564

 18, 39.505,
117.564

 68, 39.505,
117.564

 8, 39.505, 117.564

 78, 39.505,
117.564

 0, 39.505, 117.564

 88, 39.505,
117.564

 98, 39.505,
117.564

■ 38, 39.505,
117.564

■ 38, 39.505,
117.564

■ 38, 43.604,
117.509

■ 38, 34.722,
117.842

■ 37, 46.791,
117.757

■ 39, 29.467,
118.261

■ 37, 49.533,
118.008

■ 39, 23.902,
118.766

■ 39, 18.143,
119.315

■ 40, 12.268,
119.881

■ 40, 6.333, 120.445

■ 41, 0.376, 121.054

■ 41, 5.578, 301.511

■ 42, 11.507,
302.012

Harmonies

Complementary

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



38, 39.505, 117.564



17, 46.432, 306.547

Rectangle

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



38, 39.505, 117.564



38, 39.505, 167.564



38, 39.505, 297.564



38, 39.505, 347.564

Sweetspot

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



38, 39.505, 117.566



51, 15.465, 119.825



25, 30.180, 46.079



26, 10.544, 119.720



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, 39.505, 117.566



48, 55.241, 117.645



36, 45.104, 134.136



20, 3.356, 120.544



43, 55.256, 118.254



87, 97.067, 119.094

Inverse Universe

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



17, 46.432, 306.547



18, 68.164, 307.764



22, 46.298, 320.269



18, 3.415, 301.525



12, 70.751, 308.470



33, 124.577, 307.929

Previews

White Background



This preview shows how the CIELCh color 38, 39.505, 117.564 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, 39.505, 117.564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

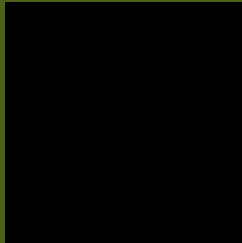
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 39.505, 117.564

Background



This preview shows how black text looks on a background with the CIELCh color 38, 39.505, 117.564.



This preview shows how white text looks on a background with the CIELCh color 38, 39.505, 117.564.

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, 39.505, 117.564

Protanopia

38, 36.920, 96.375

Deuteranopia

38, 33.836, 82.040



Tritanopia
38, 4.717, 265.476

Trichromacy



Original Color
38, 39.505, 117.564

Protanomaly
38, 36.968, 104.236

Deuteranomaly
38, 34.142, 96.173

Tritanomaly
38, 13.011, 128.156

Monochromacy



Original Color
38, 39.505, 117.564

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, 39.505, 117.564 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(77, 96, 28)` looks like.

```
.text, #text, p{  
    color:rgb(77, 96, 28)  
}
```

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(77, 96, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 96, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 39.505, 117.564 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(77, 96, 28) }
```

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

```
.border{ border-color:rgb(77, 96, 28) }
```

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

Here you see how a box with a 4 pixel rgb(77, 96, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 96, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 96, 28);  
box-shadow:4px 4px 4px 4px rgb(77, 96, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 39.505, 117.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 96, 28) }
```

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

```
.background{ background-color: rgb(77, 96,  
28) }
```

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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