

Converting Colors

CIELCh(38, 68.467, 117.777)

Have a look what the booklet for
CIELCh(38, 68.467, 117.777)
contains.

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Color

CIELCh(38, 53.527, 124.436)

Conversions

Conversions Part 1

Format	Color
Hex	396400
RGB	57, 100, 0
RGB Percent	22%, 39%, 0%
CMY	0.7747, 0.6060, 1.0000
CMYK	0.43, 0.00, 1.00, 0.61
HSL	86°, 100%, 20%
HSV	86°, 100%, 39%
XYZ	6.3130, 10.0881, 1.5970
YIQ	75.7430, 6.4720, -40.2160

Conversions

Conversions Part 2

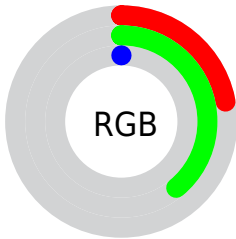
Format	Color
RYB	0, 100, 43
Decimal	3761152
CIELab	38.00, -30.27, 44.15
CIELCh	38, 53.527, 124.436
Yxy	10.0881, 0.3508, 0.5605
Android (android.graphics.Color)	4281951232 (0xFF396400)
YUV	75.7430, -37.3413, -16.4376
Hunter-Lab	31.7617, -20.1038, 19.2520

Details

The CIELCh color **38, 53.527, 124.436** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **12, 63.546, 311.029**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 53.139, 124.482**, and **18, 37.921, 138.389** is the 20% darker color. If you saturate the color by 10%, you get **38, 53.370, 124.520**, and if you desaturate by 10%, it is **38, 50.188, 124.102**.

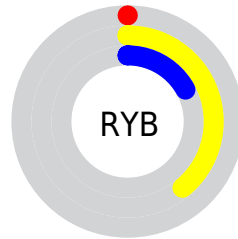
Distribution



Red (22%)

Green (39%)

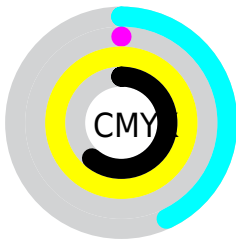
Blue (0%)



Red (0%)

Yellow (39%)

Blue (17%)

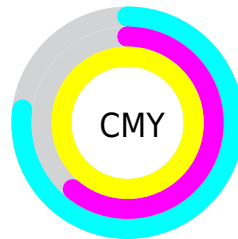


Cyan (43%)

Magenta (0%)

Yellow (100%)

Black (61%)



Cyan (77%)


Magenta (61%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 53.527, 124.436 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, 53.527, 124.436 by changing the saturation by 10% instead.

 38, 53.527,
124.436

 38, 53.527,
124.436

 100, 53.527,
124.436

 28, 53.527,
124.436

 58, 53.527,
124.436

 18, 53.527,
124.436


 68, 53.527,
124.436

 8, 53.527, 124.436

 78, 53.527,
124.436

 0, 53.527, 124.436

 88, 53.527,
124.436

 98, 53.527,
124.436

■ 38, 53.527,
124.436

■ 38, 53.527,
124.436

■ 38, 53.370,
124.520

■ 38, 50.188,
124.102

■ 39, 46.591,
123.732

■ 39, 42.059,
123.700

■ 39, 36.835,
123.902

■ 40, 31.140,
124.250

■ 40, 25.140,
124.680

■ 41, 18.953,
125.146

■ 41, 12.664,

125.621

■ 42, 6.330, 126.088

Harmonies

Complementary

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



38, 53.527, 124.436



12, 63.546, 311.029

Rectangle

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



38, 53.527, 124.436



38, 53.527, 174.436



38, 53.527, 304.436



38, 53.527, 354.436

Sweetspot

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



38, 53.370, 124.520



52, 23.422, 125.105



25, 42.948, 55.636



27, 16.084, 124.963



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



38, 53.370, 124.520



49, 64.385, 124.985



36, 59.899, 135.311



21, 3.597, 126.138



43, 58.750, 124.772



87, 102.733, 125.748

Inverse Universe

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



12, 63.546, 311.029



18, 76.616, 310.713



21, 58.633, 325.166



19, 3.649, 306.916



15, 69.930, 310.857



37, 122.121, 310.205

Previews

White Background



This preview shows how the CIELCh color 38, 53.527, 124.436 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 38, 53.527, 124.436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

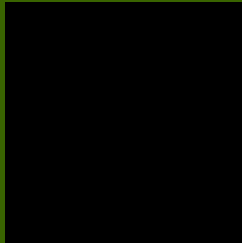
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 53.527, 124.436

Background



This preview shows how black text looks on a background with the CIELCh color 38, 53.527, 124.436.



This preview shows how white text looks on a background with the CIELCh color 38, 53.527, 124.436.

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, 53.217, 124.579

Protanopia
38, 45.686, 95.777

Deuteranopia
38, 39.763, 83.546



Tritanopia
38, 10.158, 227.592

Trichromacy



Original Color
38, 53.217, 124.579

Protanomaly
38, 46.976, 108.341

Deuteranomaly
37, 41.910, 102.733

Tritanomaly
38, 23.718, 141.523

Monochromacy



Original Color
38, 53.217, 124.579

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 23.804, 124.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 53.527, 124.436 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(57, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(57, 100, 0)  
}
```

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(57, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 100, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 53.527, 124.436 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(57, 100, 0) }
```

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

```
.border{ border-color:rgb(57, 100, 0) }
```

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

Here you see how a box with a 4 pixel rgb(57, 100, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(57, 100, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 53.527, 124.436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 100, 0) }
```

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

```
.background{ background-color: rgb(57, 100,  
0) }
```

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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