

Converting Colors

CIELCh(38, 56.179, 128.964)

Have a look what the booklet for
CIELCh(38, 56.179, 128.964)
contains.

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Color

CIELCh(38, 56.175, 128.957)

Conversions

Conversions Part 1

Format	Color
Hex	2D6600
RGB	45, 102, 0
RGB Percent	18%, 40%, 0%
CMY	0.8230, 0.5995, 0.9994
CMYK	0.56, 0.00, 1.00, 0.60
HSL	94°, 100%, 20%
HSV	94°, 100%, 40%
XYZ	5.8523, 10.0881, 1.6429
YIQ	73.3290, -1.2300, -43.8060

Conversions

Conversions Part 2

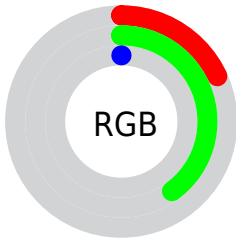
Format	Color
RYB	0, 102, 57
Decimal	2975232
CIELab	38.00, -35.32, 43.68
CIELCh	38, 56.175, 128.957
Yxy	10.0881, 0.3328, 0.5737
Android (android.graphics.Color)	4281165312 (0xFF2D6600)
YUV	73.3290, -36.1512, -24.8445
Hunter-Lab	31.7617, -22.6930, 19.1665

Details

The CIELCh color **38, 56.175, 128.957** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **15, 62.543, 313.940**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 56.580, 129.002**, and **19, 38.494, 138.187** is the 20% darker color. If you saturate the color by 10%, you get **38, 56.225, 128.960**, and if you desaturate by 10%, it is **38, 52.817, 128.615**.

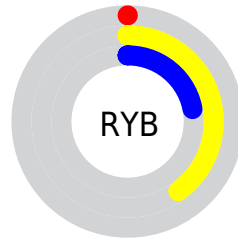
Distribution



Red (18%)

Green (40%)

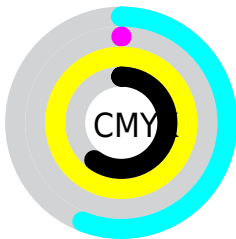
Blue (0%)



Red (0%)

Yellow (40%)

Blue (22%)

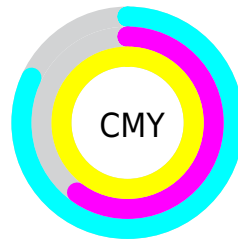


Cyan (56%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (82%)


Magenta (60%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 56.175, 128.957 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, 56.175, 128.957 by changing the saturation by 10% instead.


 38, 56.175,
128.957


 38, 56.175,
128.957

 100, 56.175,
128.957


 28, 56.175,
128.957

 58, 56.175,
128.957


 18, 56.175,
128.957


 68, 56.175,
128.957

 8, 56.175, 128.957

 78, 56.175,
128.957

 0, 56.175, 128.957

 88, 56.175,
128.957

 98, 56.175,
128.957

■ 38, 56.175,
128.957

■ 38, 56.175,
128.957

■ 38, 56.225,
128.960

■ 38, 52.817,
128.615

■ 39, 48.956,
128.304

■ 39, 44.134,
128.322

■ 39, 38.601,
128.563

■ 40, 32.585,
128.935

■ 40, 26.259,
129.371

■ 41, 19.749,
129.829

■ 42, 13.146,

130.281

■ 42, 6.513, 130.717

Harmonies

Complementary

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



38, 56.175, 128.957



15, 62.543, 313.940

Rectangle

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



38, 56.175, 128.957



38, 56.175, 178.957



38, 56.175, 308.957



38, 56.175, 358.957

Sweetspot

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



38, 56.175, 128.958



53, 24.588, 129.783



29, 42.155, 66.896



26, 16.624, 129.648



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, 56.175, 128.958



49, 68.065, 129.417



37, 59.948, 136.829



21, 3.706, 130.757



43, 61.200, 129.178



85, 107.194, 130.125

Inverse Universe

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



15, 62.543, 313.940



21, 75.630, 313.626



23, 56.839, 330.202



19, 3.747, 311.439



17, 68.079, 313.791



41, 118.711, 313.128

Previews

White Background



This preview shows how the CIELCh color 38, 56.175, 128.957 looks on a white background.

Color Contrast Check

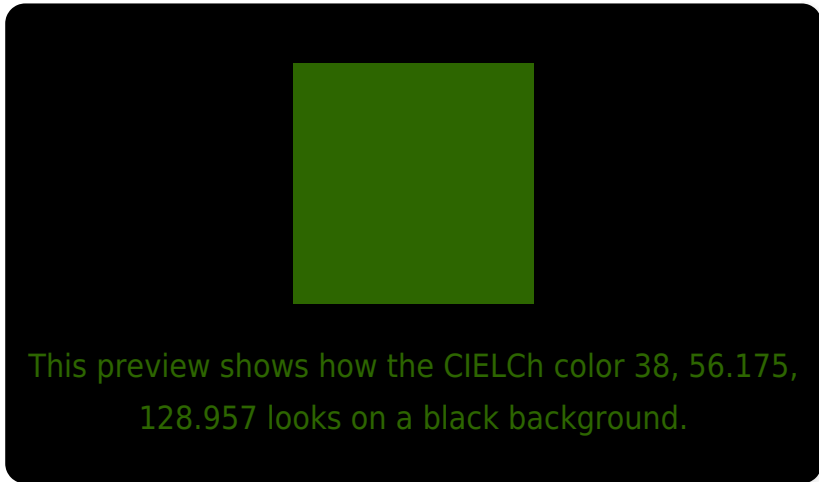
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

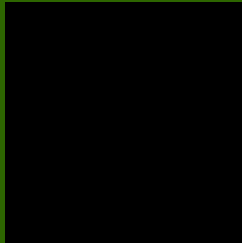
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 56.175, 128.957

Background



This preview shows how black text looks on a background with the CIELCh color 38, 56.175, 128.957.



This preview shows how white text looks on a background with the CIELCh color 38, 56.175, 128.957.

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, 56.175, 128.957

Protanopia

38, 45.416, 95.066

Deuteranopia

38, 39.373, 83.418



Tritanopia
38, 13.376, 219.725

Trichromacy



Original Color
38, 56.175, 128.957

Protanomaly
37, 47.247, 110.703

Deuteranomaly
37, 41.937, 105.483

Tritanomaly
38, 26.555, 149.047

Monochromacy



Original Color
38, 56.175, 128.957

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 24.706, 129.528

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 56.175, 128.957 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(45, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(45, 102, 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(45, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 102, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 56.175, 128.957 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(45, 102, 0) }
```

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

```
.border{ border-color:rgb(45, 102, 0) }
```

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

Here you see how a box with a 4 pixel rgb(45, 102, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(45, 102, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 56.175, 128.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 102, 0) }
```

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

```
.background{ background-color: rgb(45, 102,  
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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