

Converting Colors

CIELCh(48, 38.694, 153.282)

Have a look what the booklet for
CIELCh(48, 38.694, 153.282)
contains.

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Color

CIELCh(48, 38.872, 153.184)

Conversions

Conversions Part 1

Format	Color
Hex	338053
RGB	51, 128, 83
RGB Percent	20%, 50%, 33%
CMY	0.7996, 0.4977, 0.6742
CMYK	0.60, 0.00, 0.35, 0.50
HSL	145°, 43%, 35%
HSV	145°, 60%, 50%
XYZ	10.6660, 16.7945, 10.8802
YIQ	99.8470, -31.4470, -30.3190

Conversions

Conversions Part 2

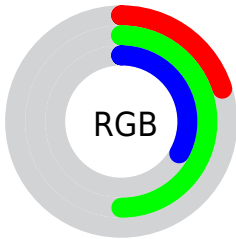
Format	Color
R_{YB}	51, 105, 128
Decimal	3375187
CIE _{Lab}	48.00, -34.69, 17.54
CIE _{LCh}	48, 38.872, 153.184
Yxy	16.7945, 0.2782, 0.4380
Android (android.graphics.Color)	4281565267 (0xFF338053)
YUV	99.8470, -8.3056, -42.8388
Hunter-Lab	40.9810, -25.2594, 12.9457

Details

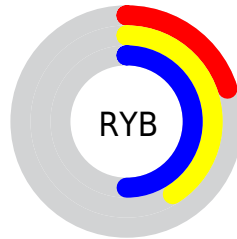
The CIELCh color **48, 38.872, 153.184** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **34, 39.891, 345.107**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 38.444, 153.353**, and **28, 36.943, 150.206** is the 20% darker color. If you saturate the color by 10%, you get **47, 44.271, 151.626**, and if you desaturate by 10%, it is **49, 32.995, 154.560**.

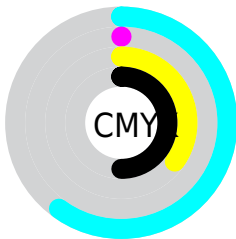
Distribution



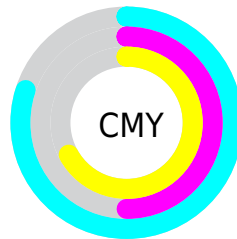
- Red (20%)
- Green (50%)
- Blue (33%)



- Red (20%)
- Yellow (41%)
- Blue (50%)



- Cyan (60%)
- Magenta (0%)
- Yellow (35%)
- Black (50%)



- Cyan (80%)
- Magenta (50%)
- Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 38.872, 153.184 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 48, 38.872, 153.184 by changing the saturation by 10% instead.

 48, 38.872,
153.184


 48, 38.872,
153.184


 100, 38.872,
153.184


 38, 38.872,
153.184

 68, 38.872,
153.184


 28, 38.872,
153.184

 78, 38.872,
153.184

 18, 38.872,
153.184

 88, 38.872,
153.184

 8, 38.872, 153.184

 98, 38.872,
153.184

 0, 38.872, 153.184

 48, 38.872,

 48, 38.872,

153.184

■ 47, 44.271,
151.626

■ 47, 49.109,
149.877

■ 47, 53.338,
147.944

■ 47, 57.073,
146.027

153.184

■ 49, 32.995,
154.560

■ 49, 26.743,
155.771

■ 50, 20.225,
156.839

■ 51, 13.547,
157.787

■ 52, 6.801, 158.643

■ 54, 0.066, 163.436

■ 55, 6.598, 339.985

■ 56, 13.145,
340.617

■ 58, 19.544,

Harmonies

Complementary

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



48, 38.872, 153.184



34, 39.891, 345.107

Rectangle

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



48, 38.872, 153.184



48, 38.872, 203.184



48, 38.872, 333.184



48, 38.872, 23.184

Sweetspot

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



48, 38.873, 153.184



65, 14.973, 157.937



50, 44.590, 122.765



34, 10.484, 157.714



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 38.873, 153.184



60, 55.581, 151.028



49, 25.647, 186.513



26, 3.777, 158.727



46, 56.868, 146.039



0, 0.000, 0.000

Inverse Universe

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



34, 39.891, 345.107



40, 55.987, 347.194



32, 36.117, 19.723



25, 3.809, 339.985



27, 52.215, 353.126



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 38.872, 153.184 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 48, 38.872, 153.184 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 48, 38.872, 153.184

Background



This preview shows how black text looks on a background with the CIELCh color 48, 38.872, 153.184.



This preview shows how white text looks on a background with the CIELCh color 48, 38.872, 153.184.

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

48, 38.872, 153.184

Protanopia

48, 21.498, 95.062

Deuteranopia

48, 16.989, 69.000



Tritanopia
48, 19.140, 215.728

Trichromacy



Original Color
48, 38.872, 153.184

Protanomaly
47, 24.461, 128.955

Deuteranomaly
47, 18.432, 125.512

Tritanomaly
48, 22.922, 181.949

Monochromacy



Original Color
48, 38.872, 153.184

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 14.967, 157.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 38.872, 153.184 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(51, 128, 83)` looks like.

```
.text, #text, p{  
    color:rgb(51, 128, 83)  
}
```

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(51, 128, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 128, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 38.872, 153.184 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(51, 128, 83) }
```

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

```
.border{ border-color:rgb(51, 128, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 128, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 128, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 128, 83);  
box-shadow:4px 4px 4px 4px rgb(51, 128,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 38.872, 153.184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 128, 83) }
```

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

```
.background{ background-color: rgb(51, 128,  
83) }
```

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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