

Converting Colors

CIELCh(48, 60.536, 135.276)

Have a look what the booklet for
CIELCh(48, 60.536, 135.276)
contains.

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Color

CIELCh(48, 60.376, 135.309)

Conversions

Conversions Part 1	
Format	Color
Hex	328222
RGB	50, 130, 34
RGB Percent	20%, 51%, 13%
CMY	0.8034, 0.4897, 0.8662
CMYK	0.61, 0.00, 0.74, 0.49
HSL	110°, 58%, 32%
HSV	110°, 74%, 51%
XYZ	9.6108, 16.7945, 4.2576
YIQ	95.1360, -16.8640, -46.8160

Conversions

Conversions Part 2

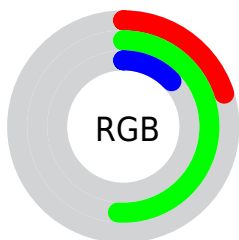
Format	Color
RYB	34, 130, 114
Decimal	3310114
CIELab	48.00, -42.92, 42.46
CIELCh	48, 60.376, 135.309
Yxy	16.7945, 0.3134, 0.5477
Android (android.graphics.Color)	4281500194 (0xFF328222)
YUV	95.1360, -30.1400, -39.5843
Hunter-Lab	40.9810, -29.8551, 22.5270

Details

The CIELCh color **48, 60.376, 135.309** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **30, 60.938, 322.415**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 60.403, 135.368**, and **28, 51.215, 136.020** is the 20% darker color. If you saturate the color by 10%, you get **48, 65.740, 134.929**, and if you desaturate by 10%, it is **49, 53.753, 135.901**.

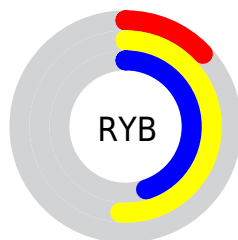
Distribution



Red (20%)

Green (51%)

Blue (13%)



Red (13%)

Yellow (51%)

Blue (45%)

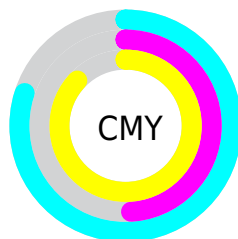


Cyan (61%)

Magenta (0%)

Yellow (74%)

Black (49%)



Cyan (80%)

Magenta (49%)


Yellow (87%)


Brightness & Saturation


Gradients


These gradients show how the CIELCh color 48, 60.376, 135.309 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, 60.376, 135.309 by changing the saturation by 10% instead.


 48, 60.376,
135.309


 48, 60.376,
135.309


 100, 60.376,
135.309


 38, 60.376,
135.309

 68, 60.376,
135.309


 28, 60.376,
135.309

 78, 60.376,
135.309

 18, 60.376,
135.309


 88, 60.376,
135.309

 8, 60.376, 135.309

 98, 60.376,
135.309


 0, 60.376, 135.309


 48, 60.376,

 48, 60.376,


135.309

135.309


 48, 65.740,
134.929


 49, 53.753,
135.901


 47, 69.545,
134.859


 49, 46.219,
136.591

 47, 71.487,
134.760

 50, 38.072,
137.300

 51, 29.547,
137.977

 52, 20.822,
138.599

 53, 12.032,
139.157

 54, 3.275, 139.677

 55, 5.376, 320.021

■ 57, 13.871,
320.402

Harmonies

Complementary

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



48, 60.376, 135.309



30, 60.938, 322.415

Rectangle

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



48, 60.376, 135.309



48, 60.376, 185.309



48, 60.376, 315.309



48, 60.376, 5.309

Sweetspot

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



48, 60.376, 135.310



66, 23.772, 138.674



48, 43.926, 92.963



34, 15.902, 138.545



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, 60.376, 135.310



61, 82.847, 134.849



48, 50.748, 146.988



27, 4.990, 139.397



47, 71.458, 134.759



1, 1.192, 139.796

Inverse Universe

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



30, 60.938, 322.415



36, 82.766, 322.280



31, 49.755, 341.348



26, 5.014, 320.174



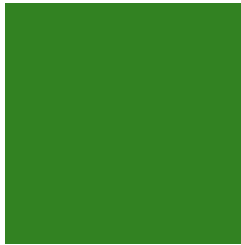
26, 71.089, 322.061



0, 1.192, 319.792

Previews

White Background



This preview shows how the CIELCh color 48, 60.376, 135.309 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, 60.376, 135.309 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, 60.376, 135.309

Background



This preview shows how black text looks on a background with the CIELCh color 48, 60.376, 135.309.



This preview shows how white text looks on a background with the CIELCh color 48, 60.376, 135.309.

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, 60.376, 135.309

Protanopia

48, 45.774, 96.007

Deuteranopia

48, 40.623, 81.613



Tritanopia

48, 17.641, 217.482

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 60.376, 135.309 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(50, 130, 34)` looks like.

```
.text, #text, p{  
    color:rgb(50, 130, 34)  
}
```

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(50, 130, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 130, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 60.376, 135.309 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(50, 130, 34) }
```

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

```
.border{ border-color:rgb(50, 130, 34) }
```

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

Here you see how a box with a 4 pixel rgb(50, 130, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 130, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 130, 34);  
box-shadow:4px 4px 4px 4px rgb(50, 130,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 60.376, 135.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 130, 34) }
```

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

```
.background{ background-color: rgb(50, 130,  
34) }
```

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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