

Converting Colors

CIELCh(51, 46.642, 124.648)

Have a look what the booklet for
CIELCh(51, 46.642, 124.648)
contains.

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Color

CIELCh(51, 46.617, 124.658)

Conversions

Conversions Part 1

Format	Color
Hex	608434
RGB	96, 132, 52
RGB Percent	38%, 52%, 20%
CMY	0.6232, 0.4820, 0.7957
CMYK	0.27, 0.00, 0.61, 0.48
HSL	87°, 43%, 36%
HSV	87°, 61%, 52%
XYZ	13.7195, 19.2686, 6.2553
YIQ	112.1160, 4.2240, -32.5120

Conversions

Conversions Part 2

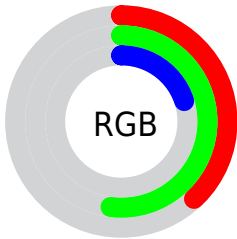
Format	Color
RYB	52, 132, 88
Decimal	6325300
CIELab	51.00, -26.51, 38.35
CIELCh	51, 46.617, 124.658
Yxy	19.2686, 0.3496, 0.4910
Android (android.graphics.Color)	4284515380 (0xFF608434)
YUV	112.1160, -29.6372, -14.1337
Hunter-Lab	43.8960, -21.0286, 22.2782

Details

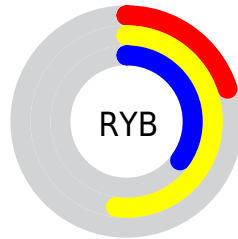
The CIELCh color $51, 46.617, 124.658$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $30, 51.529, 310.558$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $71, 46.247, 124.560$, and $31, 46.346, 124.483$ is the 20% darker color. If you saturate the color by 10%, you get $51, 53.014, 124.504$, and if you desaturate by 10%, it is $52, 39.550, 124.989$.

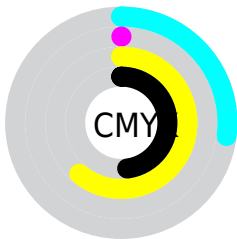
Distribution



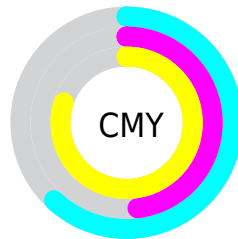
- Red (38%)
- Green (52%)
- Blue (20%)



- Red (20%)
- Yellow (52%)
- Blue (35%)



- Cyan (27%)
- Magenta (0%)
- Yellow (61%)
- Black (48%)





- Cyan (62%)
- Magenta (48%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 46.617, 124.658 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 51, 46.617, 124.658 by changing the saturation by 10% instead.


 51, 46.617,
124.658


 51, 46.617,
124.658


 100, 46.617,
124.658


 41, 46.617,
124.658


 71, 46.617,
124.658

 31, 46.617,
124.658

 81, 46.617,
124.658

 21, 46.617,
124.658

 91, 46.617,
124.658

 11, 46.617,
124.658

 1, 46.617, 124.658

 0, 46.617, 124.658

■ 51, 46.617,
124.658

■ 51, 46.617,
124.658

■ 51, 53.014,
124.504

■ 52, 39.550,
124.989

■ 50, 58.435,
124.626

■ 52, 32.051,
125.415

■ 50, 62.566,
125.138

■ 53, 24.289,
125.885

■ 49, 65.590,
125.831

■ 54, 16.383,
126.367

■ 54, 8.415, 126.840

■ 55, 0.444, 127.446

■ 56, 7.490, 307.686

■ 57, 15.356,
308.077

■ 58, 23.134,
308.431

Harmonies

Complementary

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



51, 46.617, 124.658



30, 51.529, 310.558

Rectangle

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



51, 46.617, 124.658



51, 46.617, 174.658



51, 46.617, 304.658



51, 46.617, 354.658

Sweetspot

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



51, 46.618, 124.659



68, 17.695, 126.470



41, 31.374, 63.194



36, 12.390, 126.348



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



51, 46.618, 124.659



64, 66.812, 124.513



49, 53.704, 138.518



28, 4.504, 126.908



49, 64.839, 125.806



1, 1.080, 127.303

Inverse Universe

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



30, 51.529, 310.558



33, 75.809, 311.162



35, 53.485, 325.836



26, 4.569, 307.707



18, 76.274, 311.149



0, 1.081, 307.301

Previews

White Background



This preview shows how the CIELCh color 51, 46.617, 124.658 looks on a white 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

Black Background



This preview shows how the CIELCh color 51, 46.617, 124.658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

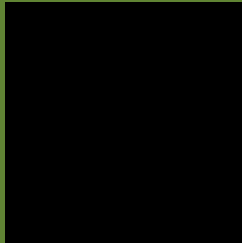
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 46.617, 124.658

Background



This preview shows how black text looks on a background with the CIELCh color 51, 46.617, 124.658.



This preview shows how white text looks on a background with the CIELCh color 51, 46.617, 124.658.

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

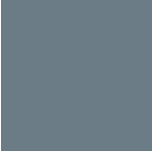
51, 46.617, 124.658

Protanopia

51, 40.590, 95.469

Deuteranopia

51, 37.230, 79.906



Tritanopia
51, 8.482, 242.532

Trichromacy



Original Color
51, 46.617, 124.658

Protanomaly
51, 41.347, 107.401

Deuteranomaly
50, 37.273, 98.759

Tritanomaly
51, 16.627, 144.421

Monochromacy



Original Color
51, 46.617, 124.658

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 17.802, 126.132

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 46.617, 124.658 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(96, 132, 52)` looks like.

```
.text, #text, p{  
    color:rgb(96, 132, 52)  
}
```

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(96, 132, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 132, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 46.617, 124.658 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(96, 132, 52) }
```

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

```
.border{ border-color:rgb(96, 132, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 132, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 132, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 132, 52);  
box-shadow:4px 4px 4px 4px rgb(96, 132,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 46.617, 124.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 132, 52) }
```

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

```
.background{ background-color: rgb(96, 132,  
52) }
```

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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