

Converting Colors

CIELCh(46, 52.152, 112.123)

Have a look what the booklet for
CIELCh(46, 52.152, 112.123)
contains.

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Color

CIELCh(46, 51.915, 112.192)

Conversions

Conversions Part 1

Format	Color
Hex	63740E
RGB	99, 116, 14
RGB Percent	39%, 45%, 5%
CMY	0.6105, 0.5438, 0.9433
CMYK	0.15, 0.00, 0.88, 0.54
HSL	70°, 78%, 26%
HSV	70°, 88%, 46%
XYZ	11.5465, 15.2687, 2.7708
YIQ	99.2890, 22.6100, -35.3260

Conversions

Conversions Part 2

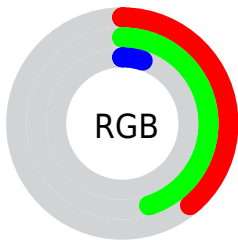
Format	Color
R_{YB}	14, 116, 31
Decimal	6517774
CIE _{Lab}	46.00, -19.61, 48.07
CIE _{LCh}	46, 51.915, 112.192
Yxy	15.2687, 0.3903, 0.5161
Android (android.graphics.Color)	4284707854 (0xFF63740E)
YUV	99.2890, -42.0475, -0.2535
Hunter-Lab	39.0751, -15.6356, 23.1484

Details

The CIELCh color **46, 51.915, 112.192** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **15, 66.768, 306.143**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 52.048, 112.029**, and **26, 38.708, 117.513** is the 20% darker color. If you saturate the color by 10%, you get **46, 54.565, 112.428**, and if you desaturate by 10%, it is **46, 48.256, 112.196**.

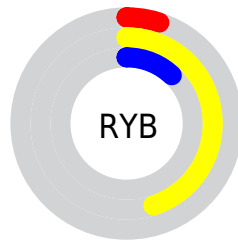
Distribution



Red (39%)

Green (45%)

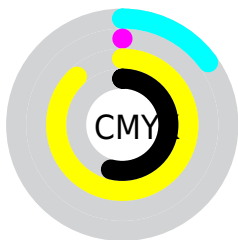
Blue (5%)



Red (5%)

Yellow (45%)

Blue (12%)

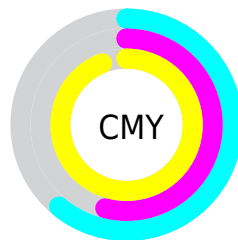


Cyan (15%)

Magenta (0%)

Yellow (88%)

Black (54%)



Cyan (61%)


Magenta (54%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 51.915, 112.192 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 46, 51.915, 112.192 by changing the saturation by 10% instead.


 46, 51.915,
112.192


 46, 51.915,
112.192


 100, 51.915,
112.192


 36, 51.915,
112.192


 66, 51.915,
112.192


 26, 51.915,
112.192


 76, 51.915,
112.192

 16, 51.915,
112.192

 86, 51.915,
112.192

 6, 51.915, 112.192

 96, 51.915,
112.192

 0, 51.915, 112.192

 46, 51.915,

 46, 51.915,

112.192

■ 46, 54.565,
112.428

■ 46, 55.218,
112.476

112.192

■ 46, 48.256,
112.196

■ 46, 43.511,
112.459

■ 47, 37.970,
112.908

■ 47, 31.889,
113.480

■ 47, 25.458,
114.125

■ 48, 18.811,
114.809

■ 48, 12.034,
115.505

■ 49, 5.189, 116.198

Harmonies

Complementary

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



46, 51.915, 112.192



15, 66.768, 306.143

Rectangle

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



46, 51.915, 112.192



46, 51.915, 162.192



46, 51.915, 292.192



46, 51.915, 342.192

Sweetspot

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



46, 51.915, 112.194



61, 21.920, 114.872



26, 47.987, 41.025



32, 14.953, 114.684



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



46, 51.915, 112.194



58, 66.563, 112.704



43, 59.368, 131.545



24, 3.890, 116.096



48, 57.279, 112.525



92, 97.287, 113.030

Inverse Universe

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



15, 66.768, 306.143



18, 89.127, 307.098



22, 62.734, 317.117



22, 3.966, 297.359



13, 76.601, 307.222



33, 130.510, 306.896

Previews

White Background



This preview shows how the CIELCh color 46, 51.915, 112.192 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 46, 51.915, 112.192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

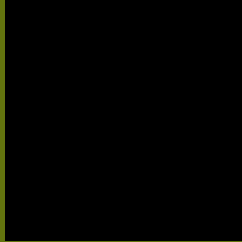
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 51.915, 112.192

Background



This preview shows how black text looks on a background with the CIELCh color 46, 51.915, 112.192.



This preview shows how white text looks on a background with the CIELCh color 46, 51.915, 112.192.

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


46, 51.915, 112.192

Protanopia

46, 49.627, 95.217

Deuteranopia

46, 46.666, 82.596



Tritanopia
46, 5.356, 290.926

Trichromacy



Original Color
46, 51.915, 112.192

Protanomaly
46, 49.959, 102.110

Deuteranomaly
46, 46.779, 94.492

Tritanomaly
46, 18.394, 115.914

Monochromacy



Original Color
46, 51.915, 112.192

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 21.962, 114.129

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 51.915, 112.192 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(99, 116, 14)` looks like.

```
.text, #text, p{  
    color:rgb(99, 116, 14)  
}
```

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(99, 116, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 116, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 51.915, 112.192 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(99, 116, 14) }
```

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

```
.border{ border-color:rgb(99, 116, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 116, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 116, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 116, 14);  
box-shadow:4px 4px 4px 4px rgb(99, 116,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 51.915, 112.192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 116, 14) }
```

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

```
.background{ background-color: rgb(99, 116,  
14) }
```

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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