

Converting Colors

CIELCh(43, 48.791, 106.594)

Have a look what the booklet for
CIELCh(43, 48.791, 106.594)
contains.

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Color

CIELCh(43, 48.548, 106.642)

Conversions

Conversions Part 1

Format	Color
Hex	646A0B
RGB	100, 106, 11
RGB Percent	39%, 42%, 4%
CMY	0.6060, 0.5826, 0.9580
CMYK	0.06, 0.00, 0.90, 0.58
HSL	64°, 82%, 23%
HSV	64°, 90%, 42%
XYZ	10.5650, 13.1578, 2.2904
YIQ	93.3760, 26.9190, -30.8170

Conversions

Conversions Part 2

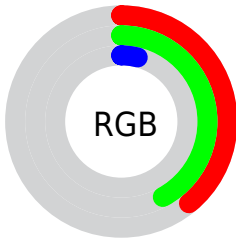
Format	Color
R_{YB}	11, 106, 17
Decimal	6580747
CIE _{Lab}	43.00, -13.90, 46.51
CIE _{LCh}	43, 48.548, 106.642
Yxy	13.1578, 0.4061, 0.5058
Android (android.graphics.Color)	4284770827 (0xFF646A0B)
YUV	93.3760, -40.6114, 5.8092
Hunter-Lab	36.2736, -11.4894, 21.6478

Details

The CIELCh color $43, 48.548, 106.642$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $12, 64.154, 305.169$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 48.190, 106.477$, and $23, 33.686, 111.453$ is the 20% darker color. If you saturate the color by 10%, you get $43, 51.081, 106.509$, and if you desaturate by 10%, it is $43, 45.435, 106.881$.

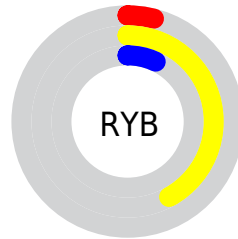
Distribution



Red (39%)

Green (42%)

Blue (4%)



Red (4%)

Yellow (42%)

Blue (7%)

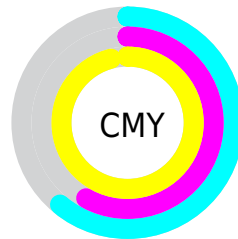


Cyan (6%)

Magenta (0%)

Yellow (90%)

Black (58%)



Cyan (61%)

Magenta (58%)

Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 48.548, 106.642 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 43, 48.548, 106.642 by changing the saturation by 10% instead.


 43, 48.548,
106.642

 43, 48.548,
106.642


 100, 48.548,
106.642

 33, 48.548,
106.642

 63, 48.548,
106.642


 23, 48.548,
106.642

 73, 48.548,
106.642

 13, 48.548,
106.642

 83, 48.548,
106.642

 3, 48.548, 106.642

 93, 48.548,
106.642

 0, 48.548, 106.642

 43, 48.548,

 43, 48.548,

106.642

106.642

■ 43, 51.081,
106.509

■ 43, 45.435,
106.881

■ 43, 51.096,
106.508

■ 43, 41.263,
107.319

■ 43, 36.300,
107.910

■ 44, 30.790,
108.607

■ 44, 24.924,
109.374

■ 44, 18.832,
110.179

■ 44, 12.604,
111.001

■ 45, 6.300, 111.823

Harmonies

Complementary

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



43, 48.548, 106.642



12, 64.154, 305.169

Rectangle

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



43, 48.548, 106.642



43, 48.548, 156.642



43, 48.548, 286.642



43, 48.548, 336.642

Sweetspot

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



43, 48.548, 106.644



56, 21.005, 110.360



22, 47.852, 36.355



29, 14.028, 110.167



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



43, 48.548, 106.644



55, 61.462, 106.606



40, 54.415, 128.370



22, 3.579, 111.902



47, 54.752, 106.547



93, 94.246, 106.762

Inverse Universe

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



12, 64.154, 305.169



15, 84.269, 306.549



17, 60.328, 313.797



20, 3.651, 293.409



12, 75.011, 306.603



31, 129.452, 306.423

Previews

White Background



This preview shows how the CIELCh color 43, 48.548, 106.642 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 43, 48.548, 106.642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

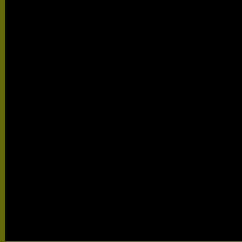
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 48.548, 106.642

Background



This preview shows how black text looks on a background with the CIELCh color 43, 48.548, 106.642.



This preview shows how white text looks on a background with the CIELCh color 43, 48.548, 106.642.

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

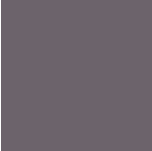
43, 48.317, 106.689

Protanopia

43, 47.695, 95.344

Deuteranopia

43, 45.029, 82.756



Tritanopia
43, 6.095, 328.038

Trichromacy



Original Color
43, 48.317, 106.689

Protanomaly
43, 47.803, 99.618

Deuteranomaly
43, 45.273, 92.024

Tritanomaly
43, 17.893, 103.129

Monochromacy



Original Color
43, 48.317, 106.689

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 20.895, 110.791

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 48.548, 106.642 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(100, 106, 11)` looks like.

```
.text, #text, p{  
    color:rgb(100, 106, 11)  
}
```

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(100, 106, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 106, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 48.548, 106.642 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(100, 106, 11) }
```

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

```
.border{ border-color:rgb(100, 106, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 106, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 106, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 106, 11);  
box-shadow:4px 4px 4px 4px rgb(100, 106,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 48.548, 106.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 106, 11) }
```

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

```
.background{ background-color: rgb(100,  
106, 11) }
```

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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