

Converting Colors

CIELCh(50, 48.714, 146.524)

Have a look what the booklet for
CIELCh(50, 48.714, 146.524)
contains.

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Color

CIELCh(50, 48.714, 146.524)

Conversions

Conversions Part 1

Format	Color
Hex	308747
RGB	48, 135, 71
RGB Percent	19%, 53%, 28%
CMY	0.8117, 0.4705, 0.7215
CMYK	0.64, 0.00, 0.47, 0.47
HSL	136°, 48%, 36%
HSV	136°, 64%, 53%
XYZ	11.0254, 18.4187, 8.9387
YIQ	101.6910, -31.3080, -38.3480

Conversions

Conversions Part 2

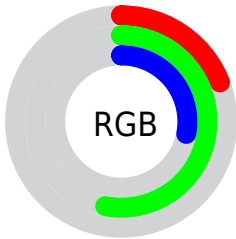
Format	Color
R_{YB}	48, 117, 135
Decimal	3180359
CIE _{Lab}	50.00, -40.63, 26.87
CIE _{LCh}	50, 48.714, 146.524
Yxy	18.4187, 0.2872, 0.4799
Android (android.graphics.Color)	4281370439 (0xFF308747)
YUV	101.6910, -15.1307, -47.0870
Hunter-Lab	42.9170, -29.2479, 17.6930

Details

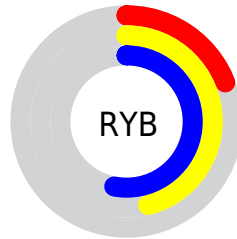
The CIELCh color $50, 48.714, 146.524$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $35, 48.227, 337.679$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $70, 48.838, 146.317$, and $30, 45.464, 142.868$ is the 20% darker color. If you saturate the color by 10%, you get $50, 54.831, 144.978$, and if you desaturate by 10%, it is $51, 41.956, 147.906$.

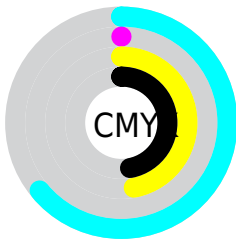
Distribution



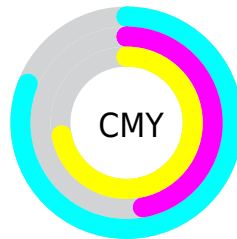
- Red (19%)
- Green (53%)
- Blue (28%)



- Red (19%)
- Yellow (46%)
- Blue (53%)



- Cyan (64%)
- Magenta (0%)
- Yellow (47%)
- Black (47%)





- Cyan (81%)
- Magenta (47%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 48.714, 146.524 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 50, 48.714, 146.524 by changing the saturation by 10% instead.


 50, 48.714,
146.524

 50, 48.714,
146.524


 100, 48.714,
146.524

 40, 48.714,
146.524


 70, 48.714,
146.524


 30, 48.714,
146.524

 80, 48.714,
146.524


 20, 48.714,
146.524

 90, 48.714,
146.524

 10, 48.714,
146.524

 0, 48.714, 146.524

 50, 48.714,
146.524

 50, 48.714,
146.524

■ 50, 54.831,
144.978

■ 51, 41.956,
147.906

■ 49, 60.178,
143.290

■ 51, 34.698,
149.122

■ 49, 64.672,
141.519

■ 52, 27.090,
150.184

■ 49, 66.899,
140.639

■ 53, 19.271,
151.110

■ 54, 11.363,
151.921

■ 56, 3.467, 152.671

■ 57, 4.338, 333.157

■ 59, 11.997,
333.735

■ 60, 19.468,
334.224

Harmonies

Complementary

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



50, 48.714, 146.524



35, 48.227, 337.679

Rectangle

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



50, 48.714, 146.524



50, 48.714, 196.524



50, 48.714, 326.524



50, 48.714, 16.524

Sweetspot

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



50, 48.715, 146.524



69, 18.598, 151.529



53, 47.791, 116.352



36, 12.904, 151.322



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



50, 48.715, 146.524



63, 69.485, 144.269



51, 31.680, 172.589



27, 4.364, 152.318



47, 64.993, 140.714



1, 1.042, 152.886

Inverse Universe

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



35, 48.227, 337.679



42, 66.664, 339.130



33, 39.637, 9.488



26, 4.383, 333.427



28, 57.650, 341.812



0, 1.042, 332.879

Previews

White Background



This preview shows how the CIELCh color 50, 48.714, 146.524 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 50, 48.714, 146.524 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 50, 48.714, 146.524

Background



This preview shows how black text looks on a background with the CIELCh color 50, 48.714, 146.524.



This preview shows how white text looks on a background with the CIELCh color 50, 48.714, 146.524.

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

50, 48.714, 146.524

Protanopia

50, 30.851, 95.672

Deuteranopia

50, 25.621, 75.728



Tritanopia
50, 20.146, 214.600

Trichromacy



Original Color
50, 48.714, 146.524

Protanomaly
49, 34.083, 124.099

Deuteranomaly
49, 27.580, 118.692

Tritanomaly
50, 26.578, 174.628

Monochromacy



Original Color
50, 48.714, 146.524

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 19.020, 151.465

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 48.714, 146.524 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(48, 135, 71)` looks like.

```
.text, #text, p{  
    color:rgb(48, 135, 71)  
}
```

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(48, 135, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 135, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 48.714, 146.524 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(48, 135, 71) }
```

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

```
.border{ border-color:rgb(48, 135, 71) }
```

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

Here you see how a box with a 4 pixel rgb(48, 135, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 135, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 135, 71);  
box-shadow:4px 4px 4px 4px rgb(48, 135,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 48.714, 146.524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 135, 71) }
```

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

```
.background{ background-color: rgb(48, 135,  
71) }
```

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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