

Converting Colors

CIELCh(51, 32.568, 118.024)

Have a look what the booklet for
CIELCh(51, 32.568, 118.024)
contains.

CIELCh(51, 32.945, 118.544)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 32.945, 118.544)

Conversions

Conversions Part 1

Format	Color
Hex	708047
RGB	112, 128, 71
RGB Percent	44%, 50%, 28%
CMY	0.5616, 0.4988, 0.7223
CMYK	0.13, 0.00, 0.45, 0.50
HSL	77°, 29%, 39%
HSV	77°, 45%, 50%
XYZ	15.4796, 19.2686, 8.8323
YIQ	116.7180, 8.7610, -21.1190

Conversions

Conversions Part 2

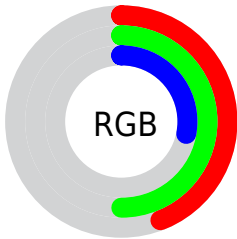
Format	Color
RYB	71, 128, 87
Decimal	7372871
CIELab	51.00, -15.74, 28.94
CIElCh	51, 32.945, 118.544
Yxy	19.2686, 0.3552, 0.4421
Android (android.graphics.Color)	4285562951 (0xFF708047)
YUV	116.7180, -22.5390, -4.1377
Hunter-Lab	43.8960, -13.8715, 18.7975

Details

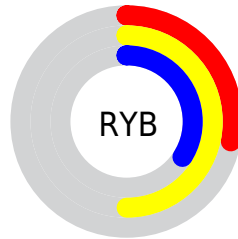
The CIELCh color $51, 32.945, 118.544$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $34, 36.187, 304.351$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 32.772, 118.537$, and $31, 32.924, 118.391$ is the 20% darker color. If you saturate the color by 10%, you get $51, 39.777, 118.069$, and if you desaturate by 10%, it is $51, 25.787, 119.092$.

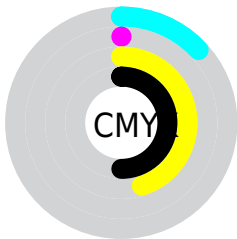
Distribution



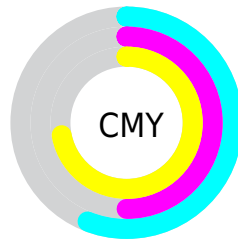
- Red (44%)
- Green (50%)
- Blue (28%)



- Red (28%)
- Yellow (50%)
- Blue (34%)



- Cyan (13%)
- Magenta (0%)
- Yellow (45%)
- Black (50%)





- Cyan (56%)
- Magenta (50%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 32.945, 118.544 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, 32.945, 118.544 by changing the saturation by 10% instead.


 51, 32.945,
118.544


 51, 32.945,
118.544


 100, 32.945,
118.544


 41, 32.945,
118.544


 71, 32.945,
118.544

 31, 32.945,
118.544

 81, 32.945,
118.544

 21, 32.945,
118.544

 91, 32.945,
118.544

 11, 32.945,
118.544

 1, 32.945, 118.544

 0, 32.945, 118.544

■ 51, 32.945,
118.544

■ 51, 32.945,
118.544

■ 51, 39.777,
118.069

■ 51, 25.787,
119.092

■ 50, 46.093,
117.716

■ 52, 18.431,
119.669

■ 50, 51.632,
117.563

■ 53, 10.964,
120.253

■ 49, 56.082,
117.704

■ 53, 3.449, 120.831

■ 49, 59.217,
118.214

■ 54, 4.073, 301.366

■ 49, 60.742,
118.509

■ 55, 11.573,
301.894

■ 55, 19.028,
302.389

■ 56, 26.422,
302.850

■ 57, 33.744,
303.279

Harmonies

Complementary

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



51, 32.945, 118.544



34, 36.187, 304.351

Rectangle

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



51, 32.945, 118.544



51, 32.945, 168.544



51, 32.945, 298.544



51, 32.945, 348.544

Sweetspot

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



51, 32.946, 118.546



67, 12.083, 120.328



41, 22.073, 45.911



35, 8.519, 120.216



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 32.946, 118.546



64, 48.611, 118.041



49, 37.418, 135.484



27, 4.228, 120.571



49, 60.639, 118.506



0, 0.000, 0.000

Inverse Universe

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



34, 36.187, 304.351



39, 54.948, 305.348



37, 38.260, 319.635



25, 4.304, 301.609



15, 77.639, 308.364



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 51, 32.945, 118.544 looks on a white background.

Color Contrast Check

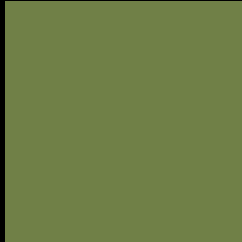
Large Text (above 18pt) WCAG AA ✓ Pass

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, 32.945, 118.544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

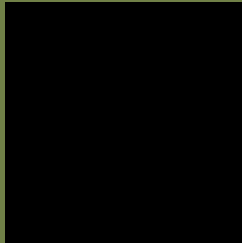
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 32.945, 118.544

Background



This preview shows how black text looks on a background with the CIELCh color 51, 32.945, 118.544.



This preview shows how white text looks on a background with the CIELCh color 51, 32.945, 118.544.

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, 32.945, 118.544

Protanopia

51, 30.744, 95.792

Deuteranopia

51, 28.510, 76.665



Tritanopia
51, 5.870, 283.373

Trichromacy



Original Color
51, 32.945, 118.544

Protanomaly
51, 30.673, 104.448

Deuteranomaly
51, 27.762, 93.213

Tritanomaly
51, 8.647, 128.595

Monochromacy



Original Color
51, 32.945, 118.544

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 12.472, 120.290

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 32.945, 118.544 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(112, 128, 71)` looks like.

```
.text, #text, p{  
    color:rgb(112, 128, 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(112, 128, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 128, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 32.945, 118.544 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(112, 128, 71) }
```

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

```
.border{ border-color:rgb(112, 128, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 128, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 128, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 128, 71);  
box-shadow:4px 4px 4px 4px rgb(112, 128,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 32.945, 118.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 128, 71) }
```

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

```
.background{ background-color: rgb(112,  
128, 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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