

Converting Colors

CIELCh(58, 45.844, 120.043)

Have a look what the booklet for
CIELCh(58, 45.844, 120.043)
contains.

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Color

CIELCh(58, 45.815, 120.055)

Conversions

Conversions Part 1

Format	Color
Hex	7A9543
RGB	122, 149, 67
RGB Percent	48%, 58%, 26%
CMY	0.5223, 0.4164, 0.7380
CMYK	0.18, 0.00, 0.55, 0.42
HSL	80°, 38%, 42%
HSV	80°, 55%, 58%
XYZ	19.7238, 25.9610, 9.2534
YIQ	131.5790, 10.2300, -31.2260

Conversions

Conversions Part 2

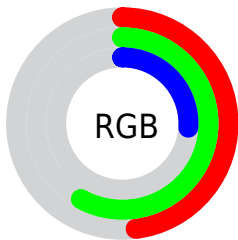
Format	Color
RYB	67, 149, 94
Decimal	8033603
CIELab	58.00, -22.95, 39.65
CIELCh	58, 45.815, 120.055
Yxy	25.9610, 0.3590, 0.4725
Android (android.graphics.Color)	4286223683 (0xFF7A9543)
YUV	131.5790, -31.8374, -8.4008
Hunter-Lab	50.9519, -20.0673, 24.8987

Details

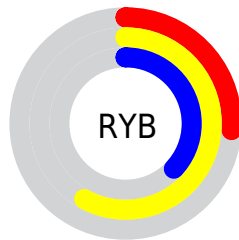
The CIELCh color $58, 45.815, 120.055$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $35, 51.424, 306.775$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $78, 45.497, 120.125$, and $38, 45.852, 119.772$ is the 20% darker color. If you saturate the color by 10%, you get $58, 52.972, 119.762$, and if you desaturate by 10%, it is $59, 38.041, 120.491$.

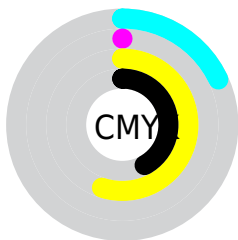
Distribution



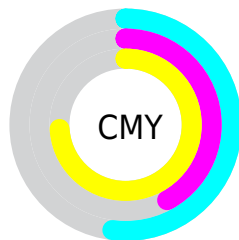
- Red (48%)
- Green (58%)
- Blue (26%)



- Red (26%)
- Yellow (58%)
- Blue (37%)



- Cyan (18%)
- Magenta (0%)
- Yellow (55%)
- Black (42%)





- Cyan (52%)
- Magenta (42%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 45.815, 120.055 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 58, 45.815, 120.055 by changing the saturation by 10% instead.


 58, 45.815,
120.055


 58, 45.815,
120.055


 100, 45.815,
120.055


 48, 45.815,
120.055


 78, 45.815,
120.055

 38, 45.815,
120.055


 88, 45.815,
120.055

 28, 45.815,
120.055

 98, 45.815,
120.055

 18, 45.815,
120.055

 8, 45.815, 120.055

 0, 45.815, 120.055

■ 58, 45.815,
120.055

■ 58, 45.815,
120.055

■ 58, 52.972,
119.762

■ 59, 38.041,
120.491

■ 57, 59.197,
119.693

■ 59, 29.874,
121.002

■ 57, 64.127,
119.956

■ 60, 21.474,
121.546

■ 56, 67.496,
120.637

■ 60, 12.948,
122.098

■ 56, 68.909,
121.011

■ 61, 4.368, 122.644

■ 62, 4.214, 303.138

■ 63, 12.762,
303.634

■ 64, 21.249,
304.091

■ 65, 29.656,
304.515

Harmonies

Complementary

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



58, 45.815, 120.055



35, 51.424, 306.775

Rectangle

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



58, 45.815, 120.055



58, 45.815, 170.055



58, 45.815, 300.055



58, 45.815, 350.055

Sweetspot

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



58, 45.816, 120.057



77, 18.079, 121.974



45, 31.614, 50.561



40, 12.054, 121.877



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



58, 45.816, 120.057



73, 66.204, 119.723



56, 52.428, 136.054



31, 4.821, 122.420



52, 65.075, 120.906



2, 4.229, 122.899

Inverse Universe

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



35, 51.424, 306.775



40, 76.797, 307.757



40, 53.320, 321.557



29, 4.906, 303.399



17, 81.463, 308.961



0, 4.230, 302.898

Previews

White Background



This preview shows how the CIELCh color 58, 45.815, 120.055 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 58, 45.815, 120.055 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 58, 45.815, 120.055

Background



This preview shows how black text looks on a background with the CIELCh color 58, 45.815, 120.055.



This preview shows how white text looks on a background with the CIELCh color 58, 45.815, 120.055.

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](#).

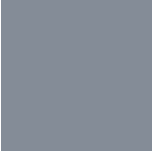
Dichromacy



Original Color
58, 45.815, 120.055

Protanopia
58, 41.649, 95.740

Deuteranopia
58, 39.018, 78.481



Tritanopia
58, 6.869, 265.172

Trichromacy



Original Color
58, 45.815, 120.055

Protanomaly
58, 42.347, 105.805

Deuteranomaly
57, 38.716, 95.394

Tritanomaly
58, 14.392, 133.528

Monochromacy



Original Color
58, 45.815, 120.055

Achromatopsia
55, 0.007, 296.813

Achromatomaly
56, 16.894, 121.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 45.815, 120.055 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(122, 149, 67)` looks like.

```
.text, #text, p{  
    color:rgb(122, 149, 67)  
}
```

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(122, 149, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 149, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 45.815, 120.055 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(122, 149, 67) }
```

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

```
.border{ border-color:rgb(122, 149, 67) }
```

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

Here you see how a box with a 4 pixel rgb(122, 149, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 149, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 149, 67);  
box-shadow:4px 4px 4px 4px rgb(122, 149,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 45.815, 120.055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 149, 67) }
```

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

```
.background{ background-color: rgb(122,  
149, 67) }
```

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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