

Converting Colors

CIELCh(58, 45.418, 116.930)

Have a look what the booklet for
CIELCh(58, 45.418, 116.930)
contains.

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Color

CIELCh(58, 45.660, 116.773)

Conversions

Conversions Part 1

Format	Color
Hex	7F9441
RGB	127, 148, 65
RGB Percent	50%, 58%, 25%
CMY	0.5031, 0.4207, 0.7461
CMYK	0.14, 0.00, 0.56, 0.42
HSL	75°, 39%, 42%
HSV	75°, 56%, 58%
XYZ	20.2029, 25.9610, 8.9073
YIQ	132.2590, 14.1270, -30.2650

Conversions

Conversions Part 2

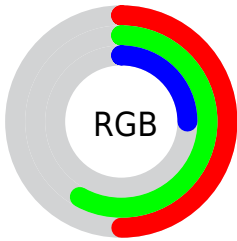
Format	Color
RYB	65, 148, 86
Decimal	8361025
CIELab	58.00, -20.57, 40.77
CIELCh	58, 45.660, 116.773
Yxy	25.9610, 0.3669, 0.4714
Android (android.graphics.Color)	4286551105 (0xFF7F9441)
YUV	132.2590, -33.1587, -4.6121
Hunter-Lab	50.9519, -18.3889, 25.3014

Details

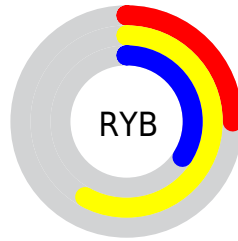
The CIELCh color $58, 45.660, 116.773$ is a dark color, and the websafe version is hex 999933 . A complement of this color would be $34, 52.109, 304.751$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $78, 45.446, 117.022$, and $38, 45.418, 116.930$ is the 20% darker color. If you saturate the color by 10%, you get $58, 52.536, 116.429$, and if you desaturate by 10%, it is $58, 38.130, 117.261$.

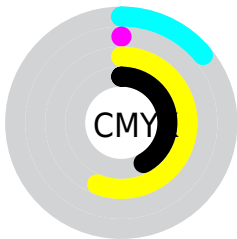
Distribution



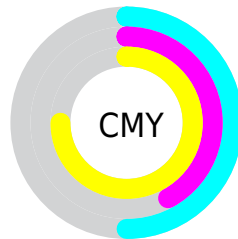
- Red (50%)
- Green (58%)
- Blue (25%)



- Red (25%)
- Yellow (58%)
- Blue (34%)



- Cyan (14%)
- Magenta (0%)
- Yellow (56%)
- Black (42%)





- Cyan (50%)
- Magenta (42%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 45.660, 116.773 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, 45.660, 116.773 by changing the saturation by 10% instead.


 58, 45.660,
116.773


 58, 45.660,
116.773


 100, 45.660,
116.773


 48, 45.660,
116.773


 78, 45.660,
116.773

 38, 45.660,
116.773

 88, 45.660,
116.773

 28, 45.660,
116.773

 98, 45.660,
116.773

 18, 45.660,
116.773

 8, 45.660, 116.773

 0, 45.660, 116.773

■ 58, 45.660,
116.773

■ 58, 45.660,
116.773

■ 58, 52.536,
116.429

■ 58, 38.130,
117.261

■ 57, 58.434,
116.306

■ 59, 30.180,
117.829

■ 57, 62.990,
116.500

■ 60, 21.975,
118.435

■ 57, 66.008,
117.071

■ 60, 13.625,
119.053

■ 57, 67.032,
117.307

■ 61, 5.205, 119.666

■ 61, 3.235, 300.243

■ 62, 11.658,
300.812

■ 63, 20.039,
301.345

■ 64, 28.357,
301.844

Harmonies

Complementary

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



58, 45.660, 116.773



34, 52.109, 304.751

Rectangle

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



58, 45.660, 116.773



58, 45.660, 166.773



58, 45.660, 296.773



58, 45.660, 346.773

Sweetspot

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



58, 45.661, 116.775



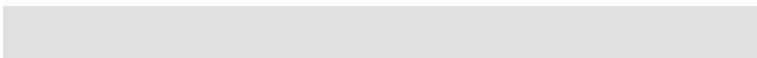
76, 17.672, 118.981



43, 33.053, 44.411



40, 11.908, 118.871



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, 45.661, 116.775



73, 65.237, 116.380



56, 52.014, 134.306



31, 4.767, 119.481



53, 63.661, 117.226



2, 4.184, 120.027

Inverse Universe

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



34, 52.109, 304.751



37, 77.366, 306.013



39, 53.532, 319.516



29, 4.857, 300.602



16, 82.523, 307.966



0, 4.185, 300.027

Previews

White Background



This preview shows how the CIELCh color 58, 45.660, 116.773 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, 45.660, 116.773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

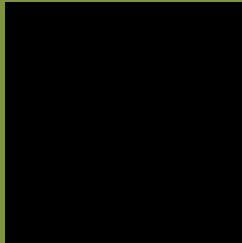
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 45.660, 116.773

Background



This preview shows how black text looks on a background with the CIELCh color 58, 45.660, 116.773.



This preview shows how white text looks on a background with the CIELCh color 58, 45.660, 116.773.

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, 45.660, 116.773

Protanopia
58, 42.616, 95.821

Deuteranopia
58, 39.972, 78.989



Tritanopia
58, 6.290, 284.024

Trichromacy



Original Color
58, 45.660, 116.773

Protanomaly
58, 42.868, 103.892

Deuteranomaly
58, 39.906, 94.207

Tritanomaly
58, 13.524, 124.399

Monochromacy



Original Color
58, 45.660, 116.773

Achromatopsia
55, 0.007, 296.813

Achromatomaly
56, 17.328, 119.261

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 45.660, 116.773 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(127, 148, 65)` looks like.

```
.text, #text, p{  
    color:rgb(127, 148, 65)  
}
```

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(127, 148, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 148, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 45.660, 116.773 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(127, 148, 65) }
```

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

```
.border{ border-color:rgb(127, 148, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 148, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 148, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 148, 65);  
box-shadow:4px 4px 4px 4px rgb(127, 148,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 45.660, 116.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 148, 65) }
```

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

```
.background{ background-color: rgb(127,  
148, 65) }
```

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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