

Converting Colors

CIELCh(60, 45.458, 127.610)

Have a look what the booklet for
CIELCh(60, 45.458, 127.610)
contains.

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Color

CIELCh(60, 45.082, 127.516)

Conversions

Conversions Part 1

Format	Color
Hex	749C4F
RGB	116, 156, 79
RGB Percent	45%, 61%, 31%
CMY	0.5445, 0.3876, 0.6896
CMYK	0.26, 0.00, 0.49, 0.39
HSL	91°, 33%, 46%
HSV	91°, 49%, 61%
XYZ	20.5573, 28.1233, 11.7713
YIQ	135.2620, 0.8770, -32.4270

Conversions

Conversions Part 2

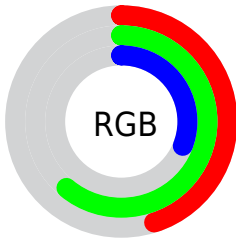
Format	Color
R_{YB}	79, 156, 119
Decimal	7642191
CIE _{Lab}	60.00, -27.45, 35.76
CIE _{LCh}	60, 45.082, 127.516
Yxy	28.1233, 0.3401, 0.4652
Android (android.graphics.Color)	4285832271 (0xFF749C4F)
YUV	135.2620, -27.7372, -16.8928
Hunter-Lab	53.0314, -23.6107, 23.9615

Details

The CIELCh color $60, 45.082, 127.516$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $41, 48.234, 312.119$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $80, 45.105, 127.490$, and $40, 44.641, 127.502$ is the 20% darker color. If you saturate the color by 10%, you get $59, 53.396, 127.166$, and if you desaturate by 10%, it is $61, 36.278, 127.955$.

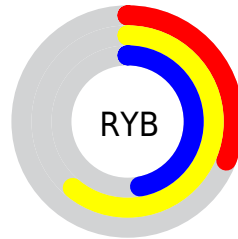
Distribution



Red (45%)

Green (61%)

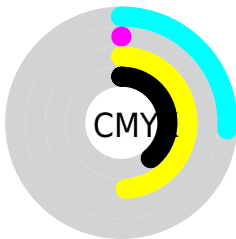
Blue (31%)



Red (31%)

Yellow (61%)

Blue (47%)

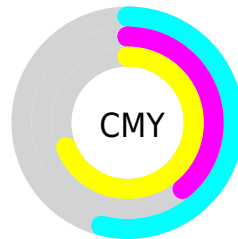


Cyan (26%)

Magenta (0%)

Yellow (49%)

Black (39%)



Cyan (54%)


Magenta (39%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 45.082, 127.516 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 60, 45.082, 127.516 by changing the saturation by 10% instead.


 60, 45.082,
127.516


 60, 45.082,
127.516


 100, 45.082,
127.516


 50, 45.082,
127.516


 80, 45.082,
127.516

 40, 45.082,
127.516

 90, 45.082,
127.516

 30, 45.082,
127.516

 20, 45.082,
127.516

 10, 45.082,
127.516

 0, 45.082, 127.516

 60, 45.082,

 60, 45.082,

127.516

■ 59, 53.396,
127.166

■ 59, 60.938,
126.984

■ 58, 67.346,
127.078

■ 58, 72.245,
127.570

■ 57, 75.714,
128.410

■ 57, 75.944,
128.462

127.516

■ 61, 36.278,
127.955

■ 62, 27.182,
128.428

■ 62, 17.937,
128.902

■ 63, 8.638, 129.361

■ 64, 0.643, 309.612

■ 66, 9.857, 310.152

■ 67, 18.969,
310.511

■ 68, 27.955,
310.832

■ 69, 36.796,

Harmonies

Complementary

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



60, 45.082, 127.516



41, 48.234, 312.119

Rectangle

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



60, 45.082, 127.516



60, 45.082, 177.516



60, 45.082, 307.516



60, 45.082, 357.516

Sweetspot

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



60, 45.083, 127.517



80, 17.314, 129.088



53, 29.002, 71.033



42, 11.787, 128.998



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



60, 45.083, 127.517



76, 65.919, 127.143



58, 51.363, 140.965



33, 5.297, 129.364



53, 71.044, 128.335



4, 6.975, 130.598

Inverse Universe

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



41, 48.234, 312.119



48, 71.684, 312.610



46, 51.106, 327.446



31, 5.364, 310.130



22, 80.524, 312.582



1, 6.897, 308.810

Previews

White Background



This preview shows how the CIELCh color 60, 45.082, 127.516 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 60, 45.082, 127.516 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 60, 45.082, 127.516

Background



This preview shows how black text looks on a background with the CIELCh color 60, 45.082, 127.516.



This preview shows how white text looks on a background with the CIELCh color 60, 45.082, 127.516.

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](#).

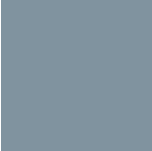
Dichromacy



Original Color
60, 45.082, 127.516

Protanopia
60, 38.516, 95.618

Deuteranopia
60, 34.677, 76.896



Tritanopia
60, 9.512, 244.637

Trichromacy



Original Color
60, 45.082, 127.516

Protanomaly
59, 38.791, 109.003

Deuteranomaly
59, 34.540, 98.751

Tritanomaly
60, 15.263, 150.456

Monochromacy



Original Color
60, 45.082, 127.516

Achromatopsia
56, 0.007, 296.813

Achromatomaly
58, 16.990, 129.464

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 45.082, 127.516 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(116, 156, 79)` looks like.

```
.text, #text, p{  
    color:rgb(116, 156, 79)  
}
```

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(116, 156, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 156, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 45.082, 127.516 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(116, 156, 79) }
```

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

```
.border{ border-color:rgb(116, 156, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 156, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 156, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 156, 79);  
box-shadow:4px 4px 4px 4px rgb(116, 156,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 45.082, 127.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 156, 79) }
```

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

```
.background{ background-color: rgb(116,  
156, 79) }
```

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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