

Converting Colors

CIELCh(60, 45.622, 135.838)

Have a look what the booklet for
CIELCh(60, 45.622, 135.838)
contains.

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Color

CIELCh(60, 45.562, 135.672)

Conversions

Conversions Part 1

Format	Color
Hex	669E56
RGB	102, 158, 86
RGB Percent	40%, 62%, 34%
CMY	0.5984, 0.3787, 0.6612
CMYK	0.35, 0.00, 0.45, 0.38
HSL	107°, 29%, 48%
HSV	107°, 45%, 62%
XYZ	19.5193, 28.1233, 13.2853
YIQ	133.0480, -10.2640, -34.2640

Conversions

Conversions Part 2

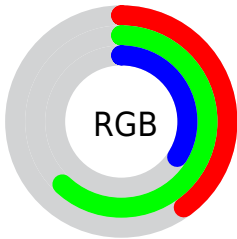
Format	Color
R_{YB}	86, 158, 142
Decimal	6725206
CIE _{Lab}	60.00, -32.59, 31.84
CIE _{LCh}	60, 45.562, 135.672
Yxy	28.1233, 0.3204, 0.4616
Android (android.graphics.Color)	4284915286 (0xFF669E56)
YUV	133.0480, -23.1947, -27.2291
Hunter-Lab	53.0314, -27.1043, 22.2689

Details

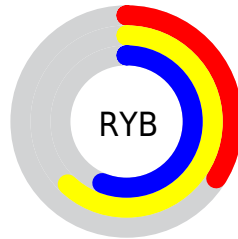
The CIELCh color $60, 45.562, 135.672$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $46, 46.546, 320.038$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $80, 45.589, 135.834$, and $40, 45.677, 135.751$ is the 20% darker color. If you saturate the color by 10%, you get $59, 54.858, 135.042$, and if you desaturate by 10%, it is $61, 35.788, 136.302$.

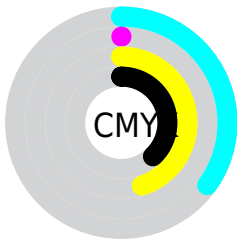
Distribution



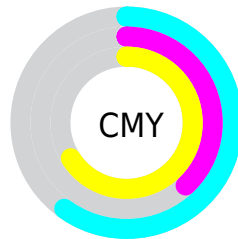
- Red (40%)
- Green (62%)
- Blue (34%)



- Red (34%)
- Yellow (62%)
- Blue (56%)



- Cyan (35%)
- Magenta (0%)
- Yellow (45%)
- Black (38%)





- Cyan (60%)
- Magenta (38%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 45.562, 135.672 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, 45.562, 135.672 by changing the saturation by 10% instead.


 60, 45.562,
135.672


 60, 45.562,
135.672


 100, 45.562,
135.672


 50, 45.562,
135.672


 80, 45.562,
135.672

 40, 45.562,
135.672

 90, 45.562,
135.672

 30, 45.562,
135.672

 20, 45.562,
135.672

 10, 45.562,
135.672

 0, 45.562, 135.672

 60, 45.562,

 60, 45.562,

135.672

135.672

■ 59, 54.858,
135.042

■ 61, 35.788,
136.302

■ 58, 63.382,
134.473

■ 62, 25.751,
136.894

■ 58, 70.761,
134.061

■ 63, 15.613,
137.436

■ 57, 76.575,
133.928

■ 65, 5.491, 137.933

■ 57, 80.518,
134.162

■ 66, 4.530, 318.282

■ 57, 81.965,
134.250

■ 67, 14.391,
318.670

■ 69, 24.052,
318.988

■ 71, 33.486,
319.258

■ 73, 42.680,
319.488

Harmonies

Complementary

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



60, 45.562, 135.672



46, 46.546, 320.038

Rectangle

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



60, 45.562, 135.672



60, 45.562, 185.672



60, 45.562, 315.672



60, 45.562, 5.672

Sweetspot

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



60, 45.563, 135.673



81, 17.529, 137.497



59, 31.692, 92.871



43, 12.207, 137.392



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



60, 45.563, 135.673



75, 67.443, 135.006



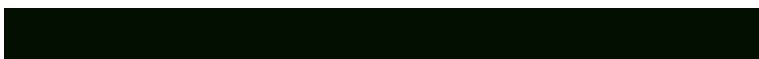
60, 40.320, 149.014



33, 5.681, 137.747



52, 75.876, 134.155



3, 7.442, 138.485

Inverse Universe

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



46, 46.546, 320.038



54, 69.060, 320.380



47, 40.581, 336.207



31, 5.715, 318.511



28, 76.682, 320.082



1, 7.347, 317.100

Previews

White Background



This preview shows how the CIELCh color 60, 45.562, 135.672 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 CIE LCh color 60, 45.562, 135.672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

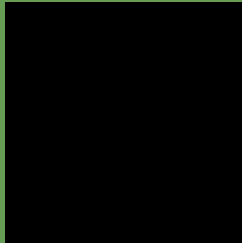
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 45.562, 135.672

Background



This preview shows how black text looks on a background with the CIELCh color 60, 45.562, 135.672.



This preview shows how white text looks on a background with the CIELCh color 60, 45.562, 135.672.

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, 45.562, 135.672

Protanopia
60, 35.365, 95.899

Deuteranopia
60, 31.225, 75.991



Tritanopia
60, 13.745, 228.193

Trichromacy



Original Color
60, 45.562, 135.672

Protanomaly
59, 36.480, 113.610

Deuteranomaly
59, 31.046, 104.136

Tritanomaly
60, 19.208, 165.663

Monochromacy



Original Color
60, 45.562, 135.672

Achromatopsia
56, 0.007, 296.813

Achromatomaly
57, 16.869, 137.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 45.562, 135.672 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(102, 158, 86)` looks like.

```
.text, #text, p{  
    color:rgb(102, 158, 86)  
}
```

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(102, 158, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 158, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 45.562, 135.672 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(102, 158, 86) }
```

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

```
.border{ border-color:rgb(102, 158, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 158, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 158, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 158, 86);  
box-shadow:4px 4px 4px 4px rgb(102, 158,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 45.562, 135.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 158, 86) }
```

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

```
.background{ background-color: rgb(102,  
158, 86) }
```

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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