

Converting Colors

CIELCh(60, 30.488, 166.853)

Have a look what the booklet for
CIELCh(60, 30.488, 166.853)
contains.

CIELCh(60, 30.540, 166.721)	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(60, 30.540, 166.721)

Conversions

Conversions Part 1

Format	Color
Hex	549E83
RGB	84, 158, 131
RGB Percent	33%, 62%, 51%
CMY	0.6692, 0.3790, 0.4849
CMYK	0.47, 0.00, 0.17, 0.38
HSL	158°, 30%, 48%
HSV	158°, 47%, 62%
XYZ	20.0945, 28.1233, 25.9622
YIQ	132.7960, -35.4370, -24.0850

Conversions

Conversions Part 2

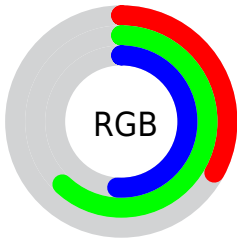
Format	Color
R_{YB}	84, 129, 158
Decimal	5545603
CIE _{Lab}	60.00, -29.72, 7.01
CIE _{LCh}	60, 30.540, 166.721
Yxy	28.1233, 0.2709, 0.3791
Android (android.graphics.Color)	4283735683 (0xFF549E83)
YUV	132.7960, -0.8854, -42.7941
Hunter-Lab	53.0314, -25.1684, 8.0958

Details

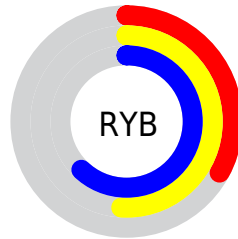
The CIELCh color $60, 30.540, 166.721$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $45, 33.894, 357.204$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $80, 30.432, 166.697$, and $40, 30.398, 167.085$ is the 20% darker color. If you saturate the color by 10%, you get $59, 36.125, 165.339$, and if you desaturate by 10%, it is $61, 24.489, 167.960$.

Distribution



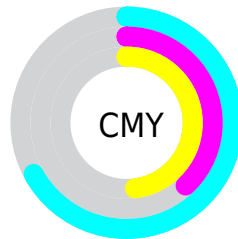
- Red (33%)
- Green (62%)
- Blue (51%)



- Red (33%)
- Yellow (51%)
- Blue (62%)



- Cyan (47%)
- Magenta (0%)
- Yellow (17%)
- Black (38%)





- Cyan (67%)
- Magenta (38%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 30.540, 166.721 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, 30.540, 166.721 by changing the saturation by 10% instead.


 60, 30.540,
166.721


 60, 30.540,
166.721


 100, 30.540,
166.721


 50, 30.540,
166.721


 80, 30.540,
166.721

 40, 30.540,
166.721

 90, 30.540,
166.721

 30, 30.540,
166.721

 20, 30.540,
166.721

 10, 30.540,
166.721

 0, 30.540, 166.721

 60, 30.540,

 60, 30.540,

166.721

166.721

■ 59, 36.125,
165.339

■ 61, 24.489,
167.960

■ 59, 41.144,
163.794

■ 62, 18.080,
169.084

■ 58, 45.527,
162.063

■ 63, 11.423,
170.116

■ 58, 49.246,
160.131

■ 64, 4.617, 171.102

■ 58, 52.362,
158.023

■ 66, 2.251, 351.717

■ 67, 9.113, 352.655

■ 58, 53.338,
157.354

■ 69, 15.913,
353.434

■ 71, 22.611,
354.160

■ 72, 29.180,

Harmonies

Complementary

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



60, 30.540, 166.721



45, 33.894, 357.204

Rectangle

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



60, 30.540, 166.721



60, 30.540, 216.721



60, 30.540, 346.721



60, 30.540, 36.721

Sweetspot

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



60, 30.541, 166.720



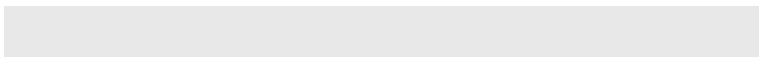
81, 11.885, 170.359



60, 44.766, 131.403



43, 8.260, 170.157



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, 30.541, 166.720



76, 44.228, 165.288



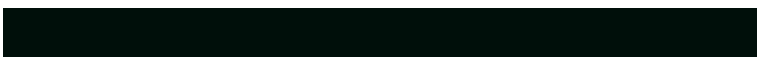
58, 21.274, 213.073



33, 3.870, 170.851



52, 49.262, 157.573



3, 5.197, 169.558

Inverse Universe

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



45, 33.894, 357.204



54, 49.995, 359.184



47, 30.160, 33.945



31, 3.952, 352.391



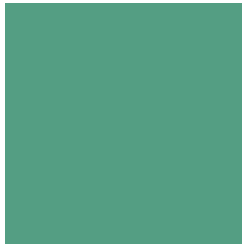
30, 55.331, 13.800



1, 5.035, 352.831

Previews

White Background



This preview shows how the CIELCh color 60, 30.540, 166.721 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, 30.540, 166.721 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, 30.540, 166.721

Background



This preview shows how black text looks on a background with the CIELCh color 60, 30.540, 166.721.



This preview shows how white text looks on a background with the CIELCh color 60, 30.540, 166.721.

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, 30.540, 166.721

Protanopia
60, 11.185, 91.809

Deuteranopia
60, 9.200, 34.317



Tritanopia
60, 20.419, 217.359

Trichromacy



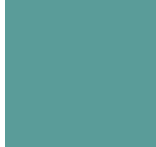
Original Color
60, 30.540, 166.721



Protanomaly
59, 15.211, 143.572



Deuteranomaly
59, 8.528, 146.089



Tritanomaly
60, 22.336, 193.027

Monochromacy



Original Color
60, 30.540, 166.721



Achromatopsia
56, 0.007, 296.813



Achromatomaly
57, 11.899, 169.568

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 30.540, 166.721 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(84, 158, 131)` looks like.

```
.text, #text, p{  
    color:rgb(84, 158, 131)  
}
```

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(84, 158, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 158, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 30.540, 166.721 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(84, 158, 131) }
```

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

```
.border{ border-color:rgb(84, 158, 131) }
```

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

Here you see how a box with a 4 pixel rgb(84, 158, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 158, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 158, 131);  
box-shadow:4px 4px 4px 4px rgb(84, 158,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 30.540, 166.721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 158, 131) }
```

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

```
.background{ background-color: rgb(84, 158,  
131) }
```

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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