

Converting Colors

CIE LCh(58, 54.802, 127.538)

Have a look what the booklet for
CIELCh(58, 54.802, 127.538)
contains.

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Color

CIELCh(58, 54.779, 127.333)

Conversions

Conversions Part 1

Format	Color
Hex	67993A
RGB	103, 153, 58
RGB Percent	40%, 60%, 23%
CMY	0.5962, 0.4001, 0.7726
CMYK	0.33, 0.00, 0.62, 0.40
HSL	92°, 45%, 41%
HSV	92°, 62%, 60%
XYZ	17.7404, 25.9610, 8.0756
YIQ	127.2200, 0.6950, -40.1450

Conversions

Conversions Part 2

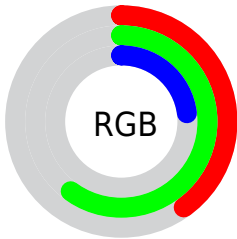
Format	Color
RYB	58, 153, 108
Decimal	6789434
CIELab	58.00, -33.22, 43.56
CIElCh	58, 54.779, 127.333
Yxy	25.9610, 0.3426, 0.5014
Android (android.graphics.Color)	4284979514 (0xFF67993A)
YUV	127.2200, -34.1255, -21.2409
Hunter-Lab	50.9519, -27.0158, 26.2692

Details

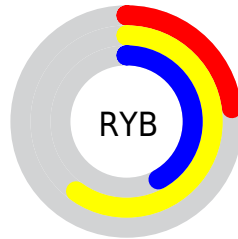
The CIELCh color $58, 54.779, 127.333$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $35, 59.622, 312.884$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $78, 54.935, 127.396$, and $38, 54.618, 127.408$ is the 20% darker color. If you saturate the color by 10%, you get $57, 61.951, 127.210$, and if you desaturate by 10%, it is $59, 46.761, 127.651$.

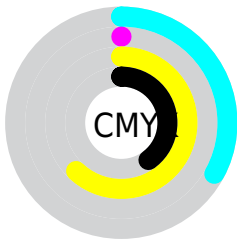
Distribution



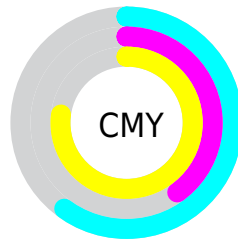
- Red (40%)
- Green (60%)
- Blue (23%)



- Red (23%)
- Yellow (60%)
- Blue (42%)



- Cyan (33%)
- Magenta (0%)
- Yellow (62%)
- Black (40%)





- Cyan (60%)
- Magenta (40%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 54.779, 127.333 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, 54.779, 127.333 by changing the saturation by 10% instead.


 58, 54.779,
127.333


 58, 54.779,
127.333


 100, 54.779,
127.333


 48, 54.779,
127.333


 78, 54.779,
127.333

 38, 54.779,
127.333

 88, 54.779,
127.333

 28, 54.779,
127.333

 98, 54.779,
127.333

 18, 54.779,
127.333

 8, 54.779, 127.333

 0, 54.779, 127.333

■ 58, 54.779,
127.333

■ 58, 54.779,
127.333

■ 57, 61.951,
127.210

■ 59, 46.761,
127.651

■ 57, 67.908,
127.394

■ 59, 38.193,
128.073

■ 57, 72.300,
128.000

■ 60, 29.293,
128.540

■ 56, 74.944,
128.651

■ 61, 20.213,
129.014

■ 62, 11.060,
129.477

■ 63, 1.909, 129.952

■ 64, 7.187, 310.280

■ 65, 16.190,
310.649

■ 66, 25.072,
310.976

Harmonies

Complementary

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



58, 54.779, 127.333



35, 59.622, 312.884

Rectangle

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



58, 54.779, 127.333



58, 54.779, 177.333



58, 54.779, 307.333



58, 54.779, 357.333

Sweetspot

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



58, 54.780, 127.334



78, 21.525, 129.142



49, 36.733, 69.359



41, 14.775, 129.019



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



58, 54.780, 127.334



73, 78.621, 127.245



56, 61.840, 139.543



32, 5.163, 129.606



52, 70.251, 128.526



3, 5.594, 130.258

Inverse Universe

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



35, 59.622, 312.884



40, 87.190, 313.242



41, 61.082, 327.978



30, 5.228, 310.365



21, 79.346, 312.765



1, 5.574, 309.676

Previews

White Background



This preview shows how the CIELCh color 58, 54.779, 127.333 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, 54.779, 127.333 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, 54.779, 127.333

Background



This preview shows how black text looks on a background with the CIELCh color 58, 54.779, 127.333.



This preview shows how white text looks on a background with the CIELCh color 58, 54.779, 127.333.

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, 54.779, 127.333

Protanopia
58, 46.433, 95.497

Deuteranopia
58, 42.559, 79.571



Tritanopia
58, 11.347, 235.899

Trichromacy



Original Color
58, 54.779, 127.333

Protanomaly
58, 47.616, 108.996

Deuteranomaly
57, 42.567, 100.793

Tritanomaly
58, 20.676, 149.854

Monochromacy



Original Color
58, 54.779, 127.333

Achromatopsia
53, 0.007, 296.813

Achromatomaly
54, 20.779, 128.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 54.779, 127.333 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(103, 153, 58)` looks like.

```
.text, #text, p{  
    color:rgb(103, 153, 58)  
}
```

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(103, 153, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 153, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 54.779, 127.333 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(103, 153, 58) }
```

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

```
.border{ border-color:rgb(103, 153, 58) }
```

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

Here you see how a box with a 4 pixel rgb(103, 153, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 153, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 153, 58);  
box-shadow:4px 4px 4px 4px rgb(103, 153,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 54.779, 127.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 153, 58) }
```

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

```
.background{ background-color: rgb(103,  
153, 58) }
```

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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