

Converting Colors

CIELCh(58, 29.264, 163.874)

Have a look what the booklet for
CIELCh(58, 29.264, 163.874)
contains.

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Color

CIELCh(58, 29.285, 163.841)

Conversions

Conversions Part 1

Format	Color
Hex	55987C
RGB	85, 152, 124
RGB Percent	33%, 60%, 49%
CMY	0.6655, 0.4027, 0.5126
CMYK	0.44, 0.00, 0.18, 0.40
HSL	155°, 28%, 47%
HSV	155°, 44%, 60%
XYZ	18.7059, 25.9610, 23.1887
YIQ	128.7750, -30.9440, -22.9120

Conversions

Conversions Part 2

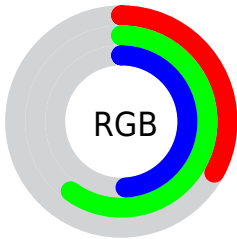
Format	Color
R_{YB}	85, 127, 152
Decimal	5609596
CIE _{Lab}	58.00, -28.13, 8.15
CIE _{LCh}	58, 29.285, 163.841
Yxy	25.9610, 0.2757, 0.3826
Android (android.graphics.Color)	4283799676 (0xFF55987C)
YUV	128.7750, -2.3541, -38.3907
Hunter-Lab	50.9519, -23.6333, 8.6829

Details

The CIELCh color $58, 29.285, 163.841$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $45, 31.623, 353.155$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $78, 29.318, 164.061$, and $38, 29.604, 163.272$ is the 20% darker color. If you saturate the color by 10%, you get $57, 35.186, 162.495$, and if you desaturate by 10%, it is $59, 22.984, 165.043$.

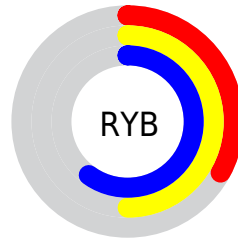
Distribution



Red (33%)

Green (60%)

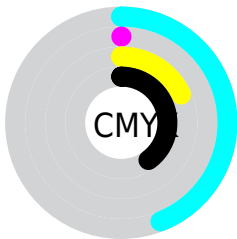
Blue (49%)



Red (33%)

Yellow (50%)

Blue (60%)

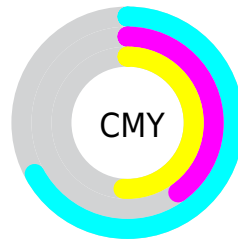


Cyan (44%)

Magenta (0%)

Yellow (18%)

Black (40%)



Cyan (67%)


Magenta (40%)


Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 29.285, 163.841 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, 29.285, 163.841 by changing the saturation by 10% instead.

 58, 29.285,
163.841

 58, 29.285,
163.841


 100, 29.285,
163.841


 48, 29.285,
163.841


 78, 29.285,
163.841

 38, 29.285,
163.841

 88, 29.285,
163.841

 28, 29.285,
163.841

 98, 29.285,
163.841

 18, 29.285,
163.841

 8, 29.285, 163.841

 0, 29.285, 163.841

■ 58, 29.285,
163.841

■ 58, 29.285,
163.841

■ 57, 35.186,
162.495

■ 59, 22.984,
165.043

■ 57, 40.580,
160.985

■ 60, 16.392,
166.128

■ 56, 45.383,
159.287

■ 61, 9.615, 167.121

■ 56, 49.549,
157.388

■ 62, 2.747, 168.106

■ 64, 4.135, 348.713

■ 55, 53.084,
155.289

■ 65, 10.968,
349.530

■ 55, 55.051,
154.038

■ 67, 17.706,
350.255

■ 69, 24.315,
350.930

■ 71, 30.773,
351.565

Harmonies

Complementary

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



58, 29.285, 163.841



45, 31.623, 353.155

Rectangle

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



58, 29.285, 163.841



58, 29.285, 213.841



58, 29.285, 343.841



58, 29.285, 33.841

Sweetspot

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



58, 29.286, 163.840



78, 11.105, 167.191



59, 40.152, 129.370



41, 7.745, 166.994



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, 29.286, 163.840



73, 42.923, 162.485



57, 20.797, 204.646



32, 3.902, 167.575



51, 51.660, 154.220



3, 4.260, 167.740

Inverse Universe

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



45, 31.623, 353.155



54, 46.949, 354.820



45, 28.631, 28.446



30, 3.969, 349.066



29, 54.149, 8.672



1, 4.214, 348.734

Previews

White Background



This preview shows how the CIELCh color 58, 29.285, 163.841 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 58, 29.285, 163.841 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, 29.285, 163.841

Background



This preview shows how black text looks on a background with the CIELCh color 58, 29.285, 163.841.



This preview shows how white text looks on a background with the CIELCh color 58, 29.285, 163.841.

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, 29.285, 163.841

Protanopia
58, 12.349, 93.083

Deuteranopia
58, 9.665, 40.715



Tritanopia
58, 18.637, 219.605

Trichromacy



Original Color
58, 29.285, 163.841

Protanomaly
57, 15.157, 138.823

Deuteranomaly
57, 9.110, 137.961

Tritanomaly
58, 20.140, 192.645

Monochromacy



Original Color
58, 29.285, 163.841

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 11.011, 166.880

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 29.285, 163.841 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(85, 152, 124)` looks like.

```
.text, #text, p{  
    color:rgb(85, 152, 124)  
}
```

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(85, 152, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 152, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 29.285, 163.841 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(85, 152, 124) }
```

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

```
.border{ border-color:rgb(85, 152, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 152, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 152, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 152, 124);  
box-shadow:4px 4px 4px 4px rgb(85, 152,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 29.285, 163.841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 152, 124) }
```

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

```
.background{ background-color: rgb(85, 152,  
124) }
```

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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