

Converting Colors

CIELCh(59, 29.795, 86.133)

Have a look what the booklet for
CIELCh(59, 29.795, 86.133) contains.

CIELCh(59, 29.597, 85.724)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(59, 29.597, 85.724)

Conversions

Conversions Part 1

Format	Color
Hex	A38B5A
RGB	163, 139, 90
RGB Percent	64%, 55%, 35%
CMY	0.3604, 0.4545, 0.6467
CMYK	0.00, 0.15, 0.45, 0.36
HSL	40°, 29%, 50%
HSV	40°, 45%, 64%
XYZ	26.2187, 27.0277, 13.5271
YIQ	140.5900, 30.0330, -10.1510

Conversions

Conversions Part 2

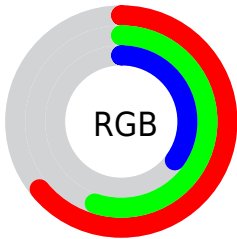
Format	Color
RYB	126, 163, 90
Decimal	10718042
CIELab	59.00, 2.21, 29.51
CIELCh	59, 29.597, 85.724
Yxy	27.0277, 0.3927, 0.4048
Android (android.graphics.Color)	4288908122 (0xFFA38B5A)
YUV	140.5900, -24.9409, 19.6536
Hunter-Lab	51.9882, -0.9581, 20.9647

Details

The CIELCh color $59, 29.597, 85.724$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $48, 29.485, 279.114$, and the grayscale version is $59, 0.007, 296.813$.

A 20% lighter version of the original color is $79, 29.343, 85.430$, and $39, 29.576, 85.033$ is the 20% darker color. If you saturate the color by 10%, you get $57, 36.357, 84.334$, and if you desaturate by 10%, it is $61, 22.818, 87.080$.

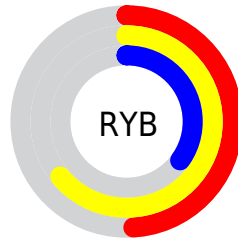
Distribution



Red (64%)

Green (55%)

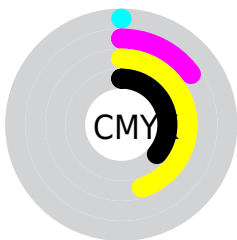
Blue (35%)



Red (49%)

Yellow (64%)

Blue (35%)

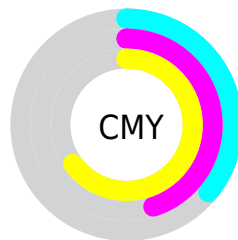


Cyan (0%)

Magenta (15%)

Yellow (45%)

Black (36%)



Cyan (36%)

Magenta (45%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 29.597, 85.724 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 59, 29.597, 85.724 by changing the saturation by 10% instead.

■ 59, 29.597, 85.724

■ 59, 29.597, 85.724

■ 100, 29.597,
85.724

■ 49, 29.597, 85.724

■ 79, 29.597, 85.724

■ 39, 29.597, 85.724

■ 89, 29.597, 85.724

■ 29, 29.597, 85.724

■ 99, 29.597, 85.724

■ 19, 29.597, 85.724

■ 9, 29.597, 85.724

■ 0, 29.597, 85.724

■ 59, 29.597, 85.724

■ 59, 29.597, 85.724

■ 57, 36.357, 84.334

■ 61, 22.818, 87.080

■ 56, 42.927, 82.878

■ 62, 16.106, 88.392

■ 54, 49.005, 81.321

■ 64, 9.504, 89.661

■ 53, 54.099, 79.574

■ 66, 3.030, 90.850

■ 51, 57.579, 77.489

■ 68, 3.313, 272.170

■ 50, 59.109, 76.364

■ 70, 9.528, 273.271

■ 72, 15.624,
274.355

■ 74, 21.608,
275.391

■ 76, 27.489,
276.378

Harmonies

Complementary

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



59, 29.597, 85.724



48, 29.485, 279.114

Rectangle

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



59, 29.597, 85.724



59, 29.597, 135.724



59, 29.597, 265.724



59, 29.597, 315.724

Sweetspot

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



59, 29.597, 85.729



82, 10.330, 89.849



47, 32.897, 359.113



43, 7.302, 89.586



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



59, 29.597, 85.729



73, 44.324, 84.300



65, 39.650, 113.558



34, 3.621, 90.332



45, 54.336, 76.658



4, 5.287, 86.647

Inverse Universe

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



48, 29.485, 279.114



57, 44.398, 281.702



42, 44.220, 301.026



32, 3.623, 272.705



24, 63.526, 296.147



2, 5.792, 273.865

Previews

White Background



This preview shows how the CIELCh color 59, 29.597, 85.724 looks on a white background.

Color Contrast Check

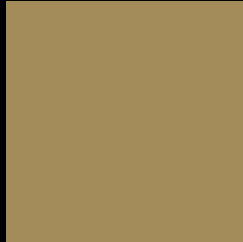
Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 29.597, 85.724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

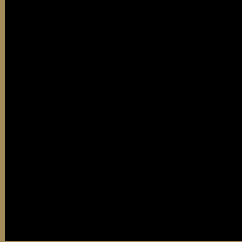
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 29.597, 85.724

Background



This preview shows how black text looks on a background with the CIELCh color 59, 29.597, 85.724.



This preview shows how white text looks on a background with the CIELCh color 59, 29.597, 85.724.

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

59, 29.597, 85.724

Protanopia

59, 29.044, 95.429

Deuteranopia

59, 30.092, 75.769



Tritanopia
59, 15.013, 359.048

Trichromacy



Original Color
59, 29.597, 85.724

Protanomaly
59, 28.989, 91.823

Deuteranomaly
59, 29.574, 79.161

Tritanomaly
59, 14.450, 45.786

Monochromacy



Original Color
59, 29.597, 85.724

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 10.826, 88.887

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 29.597, 85.724 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(163, 139, 90)` looks like.

```
.text, #text, p{  
    color:rgb(163, 139, 90)  
}
```

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(163, 139, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 139, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 29.597, 85.724 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(163, 139, 90) }
```

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

```
.border{ border-color:rgb(163, 139, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 139, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 139, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 139, 90);  
box-shadow:4px 4px 4px 4px rgb(163, 139,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 29.597, 85.724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 139, 90) }
```

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

```
.background{ background-color: rgb(163,  
139, 90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor