

Converting Colors

CIELCh(59, 69.824, 144.877)

Have a look what the booklet for
CIELCh(59, 69.824, 144.877)
contains.

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Color

CIELCh(59, 69.790, 144.845)

Conversions

Conversions Part 1

Format	Color
Hex	05A442
RGB	5, 164, 66
RGB Percent	2%, 64%, 26%
CMY	0.9822, 0.3563, 0.7406
CMYK	0.97, 0.00, 0.60, 0.36
HSL	143°, 95%, 33%
HSV	143°, 97%, 64%
XYZ	14.3460, 27.0277, 9.6357
YIQ	105.2870, -63.3060, -64.1860

Conversions

Conversions Part 2

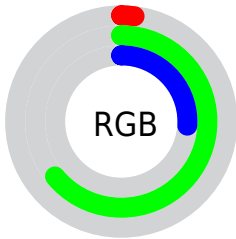
Format	Color
R_{YB}	5, 120, 164
Decimal	369730
CIE _{Lab}	59.00, -57.06, 40.18
CIE _{LCh}	59, 69.790, 144.845
Yxy	27.0277, 0.2812, 0.5299
Android (android.graphics.Color)	4278559810 (0xFF05A442)
YUV	105.2870, -19.3685, -87.9517
Hunter-Lab	51.9882, -41.7230, 25.4027

Details

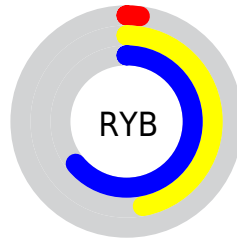
The CIELCh color **59, 69.790, 144.845** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **36, 63.097, 350.695**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **79, 69.557, 144.797**, and **40, 62.246, 137.733** is the 20% darker color. If you saturate the color by 10%, you get **59, 71.003, 144.311**, and if you desaturate by 10%, it is **59, 65.147, 146.899**.

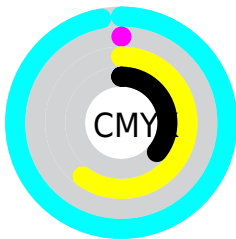
Distribution



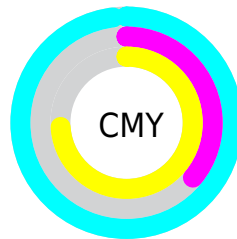
- Red (2%)
- Green (64%)
- Blue (26%)



- Red (2%)
- Yellow (47%)
- Blue (64%)



- Cyan (97%)
- Magenta (0%)
- Yellow (60%)
- Black (36%)





- Cyan (98%)
- Magenta (36%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 69.790, 144.845 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, 69.790, 144.845 by changing the saturation by 10% instead.

 59, 69.790,
144.845

 59, 69.790,
144.845

 100, 69.790,
144.845

 49, 69.790,
144.845

 79, 69.790,
144.845

 39, 69.790,
144.845

 89, 69.790,
144.845

 29, 69.790,
144.845

 99, 69.790,
144.845

 19, 69.790,
144.845

 9, 69.790, 144.845

 0, 69.790, 144.845

■ 59, 69.790,
144.845

■ 59, 69.790,
144.845

■ 59, 71.003,
144.311

■ 59, 65.147,
146.899

■ 60, 59.732,
148.832

■ 60, 53.533,
150.578

■ 61, 46.627,
152.128

■ 62, 39.132,
153.491

■ 63, 31.190,
154.685

■ 64, 22.947,
155.733

■ 65, 14.539,

156.659

■ 66, 6.082, 157.501

Harmonies

Complementary

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



59, 69.790, 144.845



36, 63.097, 350.695

Rectangle

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



59, 69.790, 144.845



59, 69.790, 194.845



59, 69.790, 324.845



59, 69.790, 14.845

Sweetspot

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



59, 69.790, 144.845



81, 30.324, 155.502



61, 74.569, 123.267



42, 20.724, 155.082



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, 69.790, 144.845



75, 87.401, 143.872



61, 39.968, 180.648



34, 4.742, 157.332



53, 64.599, 144.552



4, 7.570, 156.365

Inverse Universe

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



36, 63.097, 350.695



47, 76.979, 352.011



34, 68.749, 33.429



32, 4.778, 338.616



31, 58.065, 351.081



1, 7.080, 340.675

Previews

White Background



This preview shows how the CIELCh color 59, 69.790, 144.845 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 59, 69.790, 144.845 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, 69.790, 144.845

Background



This preview shows how black text looks on a background with the CIELCh color 59, 69.790, 144.845.



This preview shows how white text looks on a background with the CIELCh color 59, 69.790, 144.845.

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, 69.752, 144.814

Protanopia
59, 45.017, 95.489

Deuteranopia
58, 37.961, 78.027



Tritanopia
59, 26.781, 212.095

Trichromacy



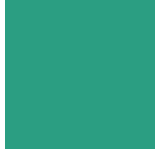
Original Color
59, 69.752, 144.814



Protanomaly
57, 50.993, 127.912



Deuteranomaly
56, 42.509, 125.057



Tritanomaly
59, 38.779, 171.742

Monochromacy



Original Color
59, 69.752, 144.814



Achromatopsia
44, 0.006, 296.813



Achromatomaly
48, 31.183, 153.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 69.790, 144.845 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(5, 164, 66)` looks like.

```
.text, #text, p{  
    color:rgb(5, 164, 66)  
}
```

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(5, 164, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 164, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 69.790, 144.845 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(5, 164, 66) }
```

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

```
.border{ border-color:rgb(5, 164, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 164, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 164, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 164, 66);  
box-shadow:4px 4px 4px 4px rgb(5, 164, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 59, 69.790, 144.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 164, 66) }
```

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

```
.background{ background-color: rgb(5, 164,  
66) }
```

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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