

Converting Colors

CIELCh(45, 59.332, 136.733)

Have a look what the booklet for
CIELCh(45, 59.332, 136.733)
contains.

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Color

CIELCh(45, 59.029, 136.866)

Conversions

Conversions Part 1

Format	Color
Hex	277A1F
RGB	39, 122, 31
RGB Percent	15%, 48%, 12%
CMY	0.8490, 0.5200, 0.8768
CMYK	0.69, 0.00, 0.74, 0.52
HSL	115°, 59%, 30%
HSV	115°, 74%, 48%
XYZ	8.0804, 14.5417, 3.7057
YIQ	86.8090, -20.2570, -45.8970

Conversions

Conversions Part 2

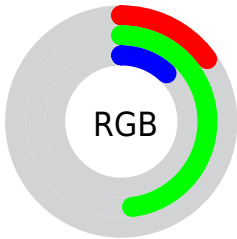
Format	Color
R_{YB}	31, 122, 114
Decimal	2587167
CIE _{Lab}	45.00, -43.08, 40.36
CIE _{LCh}	45, 59.029, 136.866
Yxy	14.5417, 0.3069, 0.5523
Android (android.graphics.Color)	4280777247 (0xFF277A1F)
YUV	86.8090, -27.5138, -41.9285
Hunter-Lab	38.1336, -28.9102, 20.9319

Details

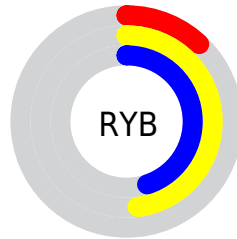
The CIELCh color **45, 59.029, 136.866** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **30, 58.559, 325.268**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 58.813, 136.669**, and **26, 47.969, 136.192** is the 20% darker color. If you saturate the color by 10%, you get **45, 64.003, 136.211**, and if you desaturate by 10%, it is **45, 52.768, 137.692**.

Distribution



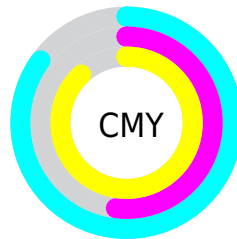
- Red (15%)
- Green (48%)
- Blue (12%)



- Red (12%)
- Yellow (48%)
- Blue (45%)



- Cyan (69%)
- Magenta (0%)
- Yellow (74%)
- Black (52%)





- Cyan (85%)
- Magenta (52%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 59.029, 136.866 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 45, 59.029, 136.866 by changing the saturation by 10% instead.


 45, 59.029,
136.866

 45, 59.029,
136.866


 100, 59.029,
136.866

 35, 59.029,
136.866

 65, 59.029,
136.866


 25, 59.029,
136.866

 75, 59.029,
136.866

 15, 59.029,
136.866

 85, 59.029,
136.866

 5, 59.029, 136.866

 95, 59.029,
136.866

 0, 59.029, 136.866

 45, 59.029,

 45, 59.029,

136.866

136.866

■ 45, 64.003,
136.211

■ 45, 52.768,
137.692

■ 44, 67.446,
135.813

■ 46, 45.552,
138.576

■ 44, 69.078,
135.488

■ 47, 37.675,
139.440

■ 48, 29.380,
140.240

■ 49, 20.857,
140.958

■ 50, 12.254,
141.590

■ 51, 3.682, 142.163

■ 52, 4.780, 322.548

■ 54, 13.075,
322.969

Harmonies

Complementary

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



45, 59.029, 136.866



30, 58.559, 325.268

Rectangle

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



45, 59.029, 136.866



45, 59.029, 186.866



45, 59.029, 316.866



45, 59.029, 6.866

Sweetspot

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



45, 59.029, 136.867



62, 23.241, 141.078



48, 45.224, 99.345



32, 15.533, 140.939



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 59.029, 136.867



57, 80.073, 135.924



45, 44.690, 151.023



25, 4.799, 141.893



45, 70.117, 135.500



87, 118.461, 135.766

Inverse Universe

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



30, 58.559, 325.268



36, 78.487, 325.350



29, 45.003, 347.335



24, 4.813, 322.738



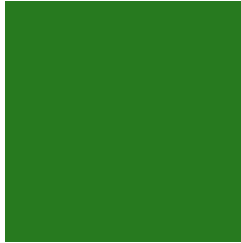
27, 68.441, 325.290



56, 115.249, 325.135

Previews

White Background



This preview shows how the CIELCh color 45, 59.029, 136.866 looks on a white 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

Black Background



This preview shows how the CIELCh color 45, 59.029, 136.866 looks on a black 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

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

CIELCh 45, 59.029, 136.866

Background



This preview shows how black text looks on a background with the CIELCh color 45, 59.029, 136.866.



This preview shows how white text looks on a background with the CIELCh color 45, 59.029, 136.866.

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
45, 58.891, 136.692

Protanopia
45, 43.635, 95.489

Deuteranopia
45, 38.598, 81.630



Tritanopia
45, 18.029, 215.119

Trichromacy



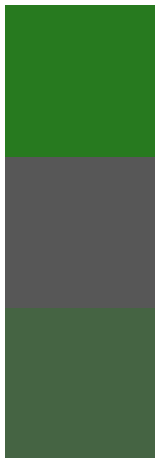
Original Color
45, 58.891, 136.692

Protanomaly
44, 46.122, 116.864

Deuteranomaly
44, 40.479, 111.874

Tritanomaly
45, 28.863, 162.366

Monochromacy



Original Color
45, 58.891, 136.692

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 24.060, 140.827

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 59.029, 136.866 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(39, 122, 31)` looks like.

```
.text, #text, p{  
    color:rgb(39, 122, 31)  
}
```

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(39, 122, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 122, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 59.029, 136.866 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(39, 122, 31) }
```

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

```
.border{ border-color:rgb(39, 122, 31) }
```

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

Here you see how a box with a 4 pixel rgb(39, 122, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 122, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 122, 31);  
box-shadow:4px 4px 4px 4px rgb(39, 122,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 59.029, 136.866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 122, 31) }
```

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

```
.background{ background-color: rgb(39, 122,  
31) }
```

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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