

Converting Colors

CIELCh(47, 65.920, 135.997)

Have a look what the booklet for
CIELCh(47, 65.920, 135.997)
contains.

CIELCh(47, 65.859, 136.060)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(47, 65.859, 136.060)

Conversions

Conversions Part 1

Format	Color
Hex	208116
RGB	32, 129, 22
RGB Percent	13%, 51%, 9%
CMY	0.8754, 0.4947, 0.9144
CMYK	0.75, 0.00, 0.83, 0.49
HSL	114°, 71%, 30%
HSV	114°, 83%, 51%
XYZ	8.5609, 16.0195, 3.3904
YIQ	87.7990, -23.4650, -53.8410

Conversions

Conversions Part 2

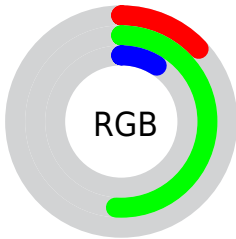
Format	Color
R_{YB}	22, 129, 119
Decimal	2130198
CIE _{Lab}	47.00, -47.42, 45.70
CIE _{LCh}	47, 65.859, 136.060
Yxy	16.0195, 0.3061, 0.5727
Android (android.graphics.Color)	4280320278 (0xFF208116)
YUV	87.7990, -32.4389, -48.9357
Hunter-Lab	40.0243, -31.8625, 22.9946

Details

The CIELCh color **47, 65.859, 136.060** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **30, 65.082, 324.854**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 66.004, 135.897**, and **28, 50.766, 136.029** is the 20% darker color. If you saturate the color by 10%, you get **47, 69.588, 135.714**, and if you desaturate by 10%, it is **47, 60.517, 136.690**.

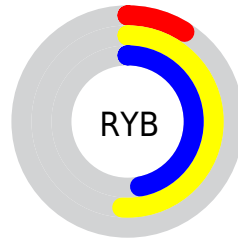
Distribution



 Red (13%)


 Green (51%)

 Blue (9%)




 Red (9%)

 Yellow (51%)

 Blue (47%)

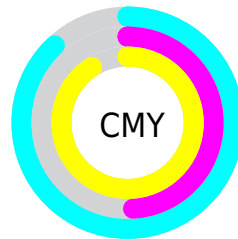



 Cyan (75%)


 Magenta (0%)

 Yellow (83%)

 Black (49%)



 Cyan (88%)


 Magenta (49%)


 Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 65.859, 136.060 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 47, 65.859, 136.060 by changing the saturation by 10% instead.


 47, 65.859,
136.060


 47, 65.859,
136.060


 100, 65.859,
136.060


 37, 65.859,
136.060

 67, 65.859,
136.060


 27, 65.859,
136.060

 77, 65.859,
136.060

 17, 65.859,
136.060

 87, 65.859,
136.060

 7, 65.859, 136.060

 97, 65.859,
136.060

 0, 65.859, 136.060

 47, 65.859,

 47, 65.859,

136.060

136.060

■ 47, 69.588,
135.714

■ 47, 60.517,
136.690

■ 47, 71.604,
135.417

■ 48, 53.874,
137.487

■ 48, 46.277,
138.340

■ 49, 38.030,
139.176

■ 50, 29.379,
139.949

■ 51, 20.515,
140.643

■ 52, 11.585,
141.255

■ 54, 2.698, 141.828

Harmonies

Complementary

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



47, 65.859, 136.060



30, 65.082, 324.854

Rectangle

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



47, 65.859, 136.060



47, 65.859, 186.060



47, 65.859, 316.060



47, 65.859, 6.060

Sweetspot

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



47, 65.859, 136.061



65, 27.665, 140.476



49, 50.121, 97.559



33, 18.784, 140.275



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 65.859, 136.061



60, 87.196, 135.558



47, 51.357, 148.652



26, 4.942, 141.480



46, 71.058, 135.411



0, 0.000, 0.000

Inverse Universe

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



30, 65.082, 324.854



37, 85.169, 324.646



29, 50.136, 347.955



25, 4.958, 322.317



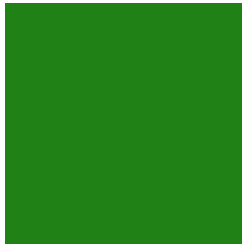
27, 69.532, 324.730



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 65.859, 136.060 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 CIE LCh color 47, 65.859, 136.060 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 47, 65.859, 136.060

Background



This preview shows how black text looks on a background with the CIELCh color 47, 65.859, 136.060.



This preview shows how white text looks on a background with the CIELCh color 47, 65.859, 136.060.

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


47, 65.859, 136.060

Protanopia

47, 49.067, 95.324

Deuteranopia

47, 43.563, 81.780



Tritanopia
47, 19.828, 215.053

Trichromacy



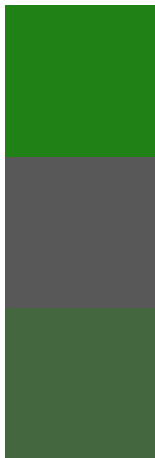
Original Color
47, 65.859, 136.060

Protanomaly
46, 51.871, 116.942

Deuteranomaly
45, 45.791, 112.268

Tritanomaly
46, 32.716, 160.711

Monochromacy



Original Color
47, 65.859, 136.060

Achromatopsia
37, 0.005, 296.813

Achromatomaly
40, 27.856, 139.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 65.859, 136.060 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(32, 129, 22)` looks like.

```
.text, #text, p{  
    color:rgb(32, 129, 22)  
}
```

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(32, 129, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 129, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 65.859, 136.060 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(32, 129, 22) }
```

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

```
.border{ border-color:rgb(32, 129, 22) }
```

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

Here you see how a box with a 4 pixel rgb(32, 129, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 129, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 129, 22);  
box-shadow:4px 4px 4px 4px rgb(32, 129,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 65.859, 136.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 129, 22) }
```

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

```
.background{ background-color: rgb(32, 129,  
22) }
```

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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