

Converting Colors

CIELCh(45, 64.637, 137.844)

Have a look what the booklet for
CIELCh(45, 64.637, 137.844)
contains.

CIELCh(45, 64.651, 137.826)	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(45, 64.651, 137.826)

Conversions

Conversions Part 1

Format	Color
Hex	117C17
RGB	17, 124, 23
RGB Percent	7%, 49%, 9%
CMY	0.9350, 0.5145, 0.9107
CMYK	0.87, 0.00, 0.82, 0.51
HSL	123°, 76%, 28%
HSV	123°, 87%, 49%
XYZ	7.5588, 14.5417, 3.2073
YIQ	80.4930, -31.3510, -54.0950

Conversions

Conversions Part 2

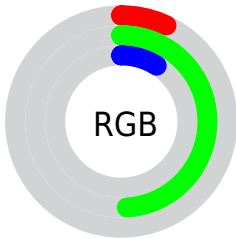
Format	Color
R_{YB}	17, 118, 124
Decimal	1145879
CIE _{Lab}	45.00, -47.91, 43.41
CIE _{LCh}	45, 64.651, 137.826
Yxy	14.5417, 0.2987, 0.5746
Android (android.graphics.Color)	4279335959 (0xFF117C17)
YUV	80.4930, -28.3440, -55.6834
Hunter-Lab	38.1336, -31.3519, 21.7069

Details

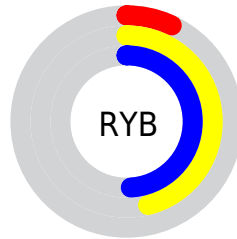
The CIELCh color **45, 64.651, 137.826** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **29, 61.802, 330.186**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 64.842, 137.707**, and **26, 48.448, 136.151** is the 20% darker color. If you saturate the color by 10%, you get **45, 67.989, 136.943**, and if you desaturate by 10%, it is **45, 59.896, 138.959**.

Distribution



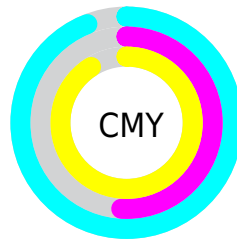
- Red (7%)
- Green (49%)
- Blue (9%)



- Red (7%)
- Yellow (46%)
- Blue (49%)



- Cyan (87%)
- Magenta (0%)
- Yellow (82%)
- Black (51%)



- Cyan (94%)
- Magenta (51%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 64.651, 137.826 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, 64.651, 137.826 by changing the saturation by 10% instead.


 45, 64.651,
137.826


 45, 64.651,
137.826


 100, 64.651,
137.826

 35, 64.651,
137.826

 65, 64.651,
137.826


 25, 64.651,
137.826

 75, 64.651,
137.826

 15, 64.651,
137.826

 85, 64.651,
137.826

 5, 64.651, 137.826

 95, 64.651,
137.826

 0, 64.651, 137.826

 45, 64.651,

 45, 64.651,

137.826

■ 45, 67.989,
136.943

■ 45, 68.884,
136.765

137.826

■ 45, 59.896,
138.959

■ 46, 53.903,
140.166

■ 46, 46.943,
141.349

■ 47, 39.274,
142.446

■ 48, 31.126,
143.428

■ 49, 22.695,
144.290

■ 50, 14.143,
145.038

■ 51, 5.596, 145.696

Harmonies

Complementary

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



45, 64.651, 137.826



29, 61.802, 330.186

Rectangle

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



45, 64.651, 137.826



45, 64.651, 187.826



45, 64.651, 317.826



45, 64.651, 7.826

Sweetspot

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



45, 64.651, 137.827



62, 27.440, 144.289



50, 53.476, 105.998



32, 18.740, 144.057



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



45, 64.651, 137.827



57, 83.655, 136.568



46, 44.397, 155.343



25, 4.731, 145.540



45, 69.355, 136.757



87, 117.918, 136.346

Inverse Universe

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



29, 61.802, 330.186



37, 78.214, 330.649



27, 46.778, 0.193



24, 4.740, 326.494



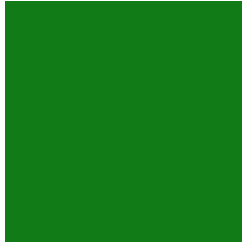
29, 65.206, 330.591



59, 109.506, 330.726

Previews

White Background



This preview shows how the CIELCh color 45, 64.651, 137.826 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 45, 64.651, 137.826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

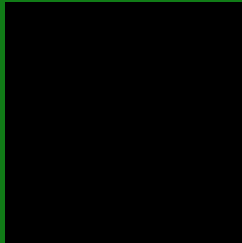
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 64.651, 137.826

Background



This preview shows how black text looks on a background with the CIELCh color 45, 64.651, 137.826.



This preview shows how white text looks on a background with the CIELCh color 45, 64.651, 137.826.

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, 64.651, 137.826

Protanopia

45, 46.791, 95.575

Deuteranopia

45, 41.513, 82.052



Tritanopia
45, 20.416, 214.567

Trichromacy



Original Color
45, 64.651, 137.826

Protanomaly
43, 50.254, 119.629

Deuteranomaly
43, 44.070, 115.190

Tritanomaly
44, 32.904, 162.938

Monochromacy



Original Color
45, 64.651, 137.826

Achromatopsia
34, 0.005, 296.813

Achromatomaly
37, 28.088, 142.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 64.651, 137.826 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(17, 124, 23)` looks like.

```
.text, #text, p{  
    color:rgb(17, 124, 23)  
}
```

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(17, 124, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 124, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 64.651, 137.826 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(17, 124, 23) }
```

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

```
.border{ border-color:rgb(17, 124, 23) }
```

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

Here you see how a box with a 4 pixel rgb(17, 124, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 124, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 124, 23);  
box-shadow:4px 4px 4px 4px rgb(17, 124,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 64.651, 137.826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 124, 23) }
```

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

```
.background{ background-color: rgb(17, 124,  
23) }
```

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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