

Converting Colors

CIELCh(46, 60.943, 137.989)

Have a look what the booklet for
CIELCh(46, 60.943, 137.989)
contains.

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Color

CIELCh(46, 61.024, 138.013)

Conversions

Conversions Part 1

Format	Color
Hex	217E21
RGB	33, 126, 33
RGB Percent	13%, 49%, 13%
CMY	0.8722, 0.5071, 0.8718
CMYK	0.74, 0.00, 0.74, 0.51
HSL	120°, 59%, 31%
HSV	120°, 74%, 49%
XYZ	8.3061, 15.2687, 3.9261
YIQ	87.5910, -25.5750, -48.6390

Conversions

Conversions Part 2

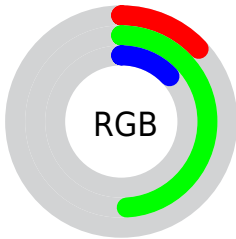
Format	Color
R_{YB}	33, 126, 126
Decimal	2194977
CIE _{Lab}	46.00, -45.36, 40.82
CIE _{LCh}	46, 61.024, 138.013
Yxy	15.2687, 0.3020, 0.5552
Android (android.graphics.Color)	4280385057 (0xFF217E21)
YUV	87.5910, -26.9134, -47.8763
Hunter-Lab	39.0751, -30.4382, 21.3954




Details

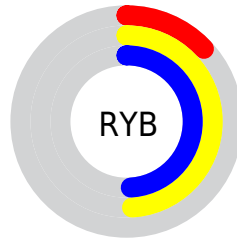
The CIELCh color **46, 61.024, 138.013** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **32, 59.883, 327.844**, and the grayscale version is **37, 0.005, 296.813**.




A 20% lighter version of the original color is **66, 61.327, 137.921**, and **27, 49.390, 136.086** is the 20% darker color. If you saturate the color by 10%, you get **46, 65.947, 137.075**, and if you desaturate by 10%, it is **46, 54.700, 139.087**.

Distribution







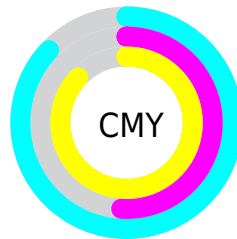
-  Red (13%)
-  Green (49%)
-  Blue (13%)






-  Red (13%)
-  Yellow (49%)
-  Blue (49%)



-  Cyan (74%)
-  Magenta (0%)
-  Yellow (74%)
-  Black (51%)





-  Cyan (87%)
-  Magenta (51%)
-  Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 61.024, 138.013 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 46, 61.024, 138.013 by changing the saturation by 10% instead.


 46, 61.024,
138.013


 46, 61.024,
138.013


 100, 61.024,
138.013


 36, 61.024,
138.013

 66, 61.024,
138.013


 26, 61.024,
138.013

 76, 61.024,
138.013

 16, 61.024,
138.013

 86, 61.024,
138.013

 6, 61.024, 138.013

 96, 61.024,
138.013

 0, 61.024, 138.013

 46, 61.024,

 46, 61.024,

138.013

138.013

■ 46, 65.947,
137.075

■ 46, 54.700,
139.087

■ 46, 69.228,
136.393

■ 47, 47.308,
140.177

■ 45, 70.889,
136.033

■ 48, 39.161,
141.208

■ 49, 30.524,
142.139

■ 50, 21.615,
142.957

■ 51, 12.606,
143.668

■ 52, 3.628, 144.307

■ 54, 5.224, 324.735

■ 55, 13.886,
325.194

Harmonies

Complementary

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



46, 61.024, 138.013



32, 59.883, 327.844

Rectangle

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



46, 61.024, 138.013



46, 61.024, 188.013



46, 61.024, 318.013



46, 61.024, 8.013

Sweetspot

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



46, 61.024, 138.014



64, 24.443, 143.075



51, 49.088, 103.863



32, 16.343, 142.913



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



46, 61.024, 138.014



58, 82.740, 136.567



47, 42.196, 154.990



26, 5.089, 143.988



46, 71.620, 136.033



0, 0.000, 0.000

Inverse Universe

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



32, 59.883, 327.844



39, 80.201, 328.177



30, 44.092, 352.957



25, 5.097, 324.933



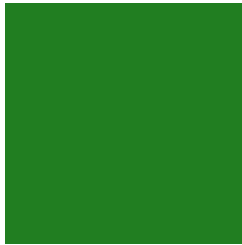
30, 69.061, 328.283



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 61.024, 138.013 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 46, 61.024, 138.013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

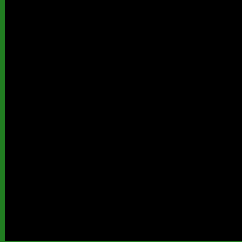
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 61.024, 138.013

Background



This preview shows how black text looks on a background with the CIELCh color 46, 61.024, 138.013.



This preview shows how white text looks on a background with the CIELCh color 46, 61.024, 138.013.

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

46, 61.024, 138.013

Protanopia

46, 44.488, 95.692

Deuteranopia

46, 38.744, 81.123



Tritanopia
46, 19.330, 215.625

Trichromacy



Original Color
46, 61.024, 138.013

Protanomaly
45, 47.425, 118.673

Deuteranomaly
44, 40.604, 113.219

Tritanomaly
45, 30.144, 164.014

Monochromacy



Original Color
46, 61.024, 138.013

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 25.222, 142.211

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 61.024, 138.013 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(33, 126, 33)` looks like.

```
.text, #text, p{  
    color:rgb(33, 126, 33)  
}
```

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(33, 126, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 126, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 61.024, 138.013 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(33, 126, 33) }
```

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

```
.border{ border-color:rgb(33, 126, 33) }
```

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

Here you see how a box with a 4 pixel rgb(33, 126, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 126, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 126, 33);  
box-shadow:4px 4px 4px 4px rgb(33, 126,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 61.024, 138.013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 126, 33) }
```

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

```
.background{ background-color: rgb(33, 126,  
33) }
```

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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