

Converting Colors

CIELCh(46, 30.950, 136.773)

Have a look what the booklet for
CIELCh(46, 30.950, 136.773)
contains.

CIELCh(46, 30.915, 136.289)	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(46, 30.915, 136.289)

Conversions

Conversions Part 1

Format	Color
Hex	527648
RGB	82, 118, 72
RGB Percent	32%, 46%, 28%
CMY	0.6778, 0.5366, 0.7170
CMYK	0.30, 0.00, 0.39, 0.54
HSL	107°, 24%, 37%
HSV	107°, 39%, 46%
XYZ	11.1678, 15.2687, 8.5169
YIQ	101.9920, -6.6900, -21.9380

Conversions

Conversions Part 2

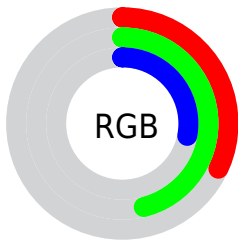
Format	Color
R_{YB}	72, 118, 108
Decimal	5404232
CIE _{Lab}	46.00, -22.35, 21.36
CIE _{LCh}	46, 30.915, 136.289
Yxy	15.2687, 0.3195, 0.4368
Android (android.graphics.Color)	4283594312 (0xFF527648)
YUV	101.9920, -14.7861, -17.5330
Hunter-Lab	39.0751, -17.3656, 14.4296

Details

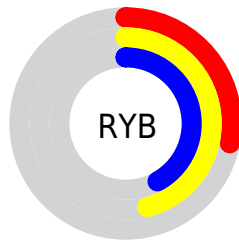
The CIELCh color $46, 30.915, 136.289$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $36, 31.480, 319.901$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 30.646, 136.039$, and $26, 30.865, 136.434$ is the 20% darker color. If you saturate the color by 10%, you get $45, 38.547, 135.667$, and if you desaturate by 10%, it is $47, 23.047, 136.882$.

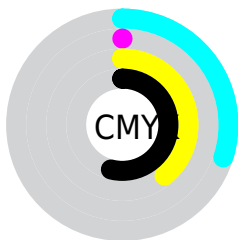
Distribution



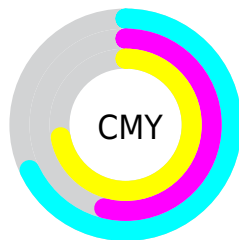
- Red (32%)
- Green (46%)
- Blue (28%)



- Red (28%)
- Yellow (46%)
- Blue (42%)



- Cyan (30%)
- Magenta (0%)
- Yellow (39%)
- Black (54%)




- Cyan (68%)
- Magenta (54%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 30.915, 136.289 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, 30.915, 136.289 by changing the saturation by 10% instead.

 46, 30.915,
136.289


 46, 30.915,
136.289


 100, 30.915,
136.289


 36, 30.915,
136.289

 66, 30.915,
136.289


 26, 30.915,
136.289


 76, 30.915,
136.289

 16, 30.915,
136.289

 86, 30.915,
136.289

 6, 30.915, 136.289

 96, 30.915,
136.289

 0, 30.915, 136.289

 46, 30.915,

 46, 30.915,

136.289

136.289

■ 45, 38.547,
135.667

■ 47, 23.047,
136.882

■ 45, 45.767,
135.052

■ 48, 15.071,
137.427

■ 44, 52.344,
134.507

■ 49, 7.083, 137.922

■ 44, 57.990,
134.127

■ 50, 0.845, 318.166

■ 51, 8.663, 318.687

■ 43, 62.392,
134.024

■ 52, 16.336,
319.018

■ 43, 65.725,
134.045

■ 54, 23.842,
319.300

■ 43, 66.072,
134.021

■ 55, 31.166,
319.541

■ 56, 38.301,

Harmonies

Complementary

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



46, 30.915, 136.289



36, 31.480, 319.901

Rectangle

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



46, 30.915, 136.289



46, 30.915, 186.289



46, 30.915, 316.289



46, 30.915, 6.289

Sweetspot

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



46, 30.916, 136.290



62, 11.772, 137.760



46, 21.352, 93.822



31, 7.765, 137.714



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



46, 30.916, 136.290



58, 45.780, 135.716



46, 27.349, 149.864



24, 4.434, 137.918



45, 67.791, 134.062



87, 115.763, 134.619

Inverse Universe

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



36, 31.480, 319.901



44, 46.755, 320.242



37, 27.574, 335.605



23, 4.460, 318.642



23, 68.509, 320.359



50, 116.357, 319.957

Previews

White Background



This preview shows how the CIELCh color 46, 30.915, 136.289 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 46, 30.915, 136.289 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, 30.915, 136.289

Background



This preview shows how black text looks on a background with the CIELCh color 46, 30.915, 136.289.



This preview shows how white text looks on a background with the CIELCh color 46, 30.915, 136.289.

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, 30.915, 136.289

Protanopia

46, 24.339, 96.899

Deuteranopia

46, 20.899, 74.106



Tritanopia
46, 9.362, 233.734

Trichromacy



Original Color
46, 30.915, 136.289

Protanomaly
46, 24.644, 114.133

Deuteranomaly
45, 20.579, 103.454

Tritanomaly
46, 12.351, 166.020

Monochromacy



Original Color
46, 30.915, 136.289

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 11.559, 137.067

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 30.915, 136.289 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(82, 118, 72)` looks like.

```
.text, #text, p{  
    color:rgb(82, 118, 72)  
}
```

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(82, 118, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 118, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 30.915, 136.289 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(82, 118, 72) }
```

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

```
.border{ border-color:rgb(82, 118, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 118, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 118, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 118, 72);  
box-shadow:4px 4px 4px 4px rgb(82, 118,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 30.915, 136.289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 118, 72) }
```

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

```
.background{ background-color: rgb(82, 118,  
72) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor