

Converting Colors

CIELCh(46, 43.773, 116.014)

Have a look what the booklet for
CIELCh(46, 43.773, 116.014)
contains.

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Color

CIELCh(46, 43.773, 116.014)

Conversions

Conversions Part 1

Format	Color
Hex	617426
RGB	97, 116, 38
RGB Percent	38%, 45%, 15%
CMY	0.6183, 0.5438, 0.8497
CMYK	0.16, 0.00, 0.67, 0.54
HSL	75°, 50%, 30%
HSV	75°, 67%, 46%
XYZ	11.6040, 15.2687, 4.1967
YIQ	101.4270, 13.7140, -28.2860

Conversions

Conversions Part 2

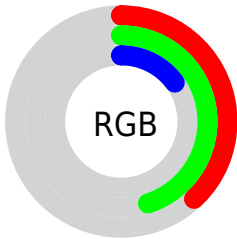
Format	Color
R_{YB}	38, 116, 57
Decimal	6386726
CIE _{Lab}	46.00, -19.20, 39.34
CIE _{LCh}	46, 43.773, 116.014
Yxy	15.2687, 0.3735, 0.4914
Android (android.graphics.Color)	4284576806 (0xFF617426)
YUV	101.4270, -31.2695, -3.8825
Hunter-Lab	39.0751, -15.3728, 20.9848

Details

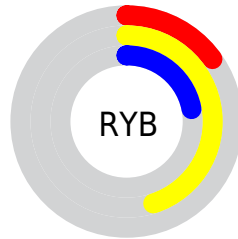
The CIELCh color $46, 43.773, 116.014$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $22, 51.547, 305.498$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 43.855, 115.790$, and $26, 38.847, 118.194$ is the 20% darker color. If you saturate the color by 10%, you get $46, 48.680, 115.862$, and if you desaturate by 10%, it is $46, 38.100, 116.373$.

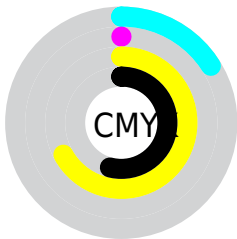
Distribution



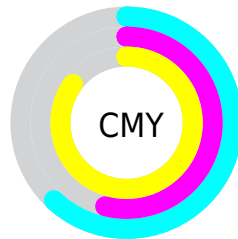
- Red (38%)
- Green (45%)
- Blue (15%)



- Red (15%)
- Yellow (45%)
- Blue (22%)



- Cyan (16%)
- Magenta (0%)
- Yellow (67%)
- Black (54%)




- Cyan (62%)
- Magenta (54%)
- Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 43.773, 116.014 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, 43.773, 116.014 by changing the saturation by 10% instead.


 46, 43.773,
116.014


 46, 43.773,
116.014


 100, 43.773,
116.014


 36, 43.773,
116.014

 66, 43.773,
116.014


 26, 43.773,
116.014

 76, 43.773,
116.014

 16, 43.773,
116.014

 86, 43.773,
116.014

 6, 43.773, 116.014

 96, 43.773,
116.014

 0, 43.773, 116.014

 46, 43.773,

 46, 43.773,

116.014

■ 46, 48.680,
115.862

■ 45, 52.531,
116.001

■ 45, 55.348,
116.420

■ 45, 56.179,
116.527

116.014

■ 46, 38.100,
116.373

■ 47, 31.907,
116.862

■ 47, 25.380,
117.426

■ 48, 18.648,
118.027

■ 48, 11.796,
118.640

■ 49, 4.884, 119.249

■ 49, 2.048, 299.824

■ 50, 8.969, 300.395

■ 50, 15.859,

Harmonies

Complementary

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



46, 43.773, 116.014



22, 51.547, 305.498

Rectangle

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



46, 43.773, 116.014



46, 43.773, 166.014



46, 43.773, 296.014



46, 43.773, 346.014

Sweetspot

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



46, 43.774, 116.016



61, 17.061, 118.429



31, 33.821, 43.357



32, 11.722, 118.292



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, 43.774, 116.016



58, 61.104, 115.889



44, 49.831, 133.408



24, 3.923, 119.129



47, 58.281, 116.594



91, 99.156, 117.274

Inverse Universe

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



22, 51.547, 305.498



24, 75.494, 306.887



27, 51.556, 319.207



22, 3.996, 300.222



14, 75.807, 307.955



34, 129.298, 307.525

Previews

White Background



This preview shows how the CIELCh color 46, 43.773, 116.014 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, 43.773, 116.014 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, 43.773, 116.014

Background



This preview shows how black text looks on a background with the CIELCh color 46, 43.773, 116.014.



This preview shows how white text looks on a background with the CIELCh color 46, 43.773, 116.014.

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, 43.773, 116.014

Protanopia
46, 41.146, 95.544

Deuteranopia
46, 38.276, 80.916



Tritanopia
46, 4.878, 276.822

Trichromacy



Original Color
46, 43.773, 116.014

Protanomaly
46, 41.460, 103.708

Deuteranomaly
46, 38.393, 95.296

Tritanomaly
46, 14.671, 123.540

Monochromacy



Original Color
46, 43.773, 116.014

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 16.862, 118.360

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 43.773, 116.014 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(97, 116, 38)` looks like.

```
.text, #text, p{  
    color:rgb(97, 116, 38)  
}
```

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(97, 116, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 116, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 43.773, 116.014 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(97, 116, 38) }
```

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

```
.border{ border-color:rgb(97, 116, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 116, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 116, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 116, 38);  
box-shadow:4px 4px 4px 4px rgb(97, 116,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 43.773, 116.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 116, 38) }
```

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

```
.background{ background-color: rgb(97, 116,  
38) }
```

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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