

Converting Colors

CIELCh(46, 39.397, 166.282)

Have a look what the booklet for
CIELCh(46, 39.397, 166.282)
contains.

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Color

CIELCh(46, 38.835, 166.128)

Conversions

Conversions Part 1

Format	Color
Hex	017C5C
RGB	1, 124, 92
RGB Percent	0%, 49%, 36%
CMY	0.9970, 0.5126, 0.6382
CMYK	0.99, 0.00, 0.26, 0.51
HSL	164°, 99%, 25%
HSV	164°, 99%, 49%
XYZ	9.1960, 15.2687, 12.6482
YIQ	83.5750, -63.0360, -36.0280

Conversions

Conversions Part 2

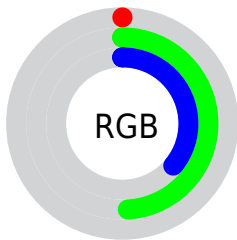
Format	Color
RYB	1, 72, 124
Decimal	97372
CIELab	46.00, -37.70, 9.31
CIELCh	46, 38.835, 166.128
Yxy	15.2687, 0.2478, 0.4114
Android (android.graphics.Color)	4278287452 (0xFF017C5C)
YUV	83.5750, 4.1535, -72.4183
Hunter-Lab	39.0751, -26.3731, 8.1611

Details

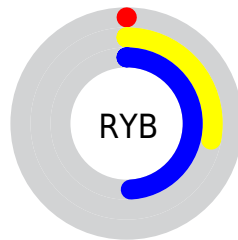
The CIELCh color **46, 38.835, 166.128** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **25, 51.684, 22.295**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 38.634, 166.136**, and **27, 30.458, 158.662** is the 20% darker color. If you saturate the color by 10%, you get **46, 38.958, 166.022**, and if you desaturate by 10%, it is **46, 36.831, 167.931**.

Distribution



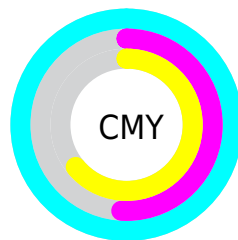
- Red (0%)
- Green (49%)
- Blue (36%)



- Red (0%)
- Yellow (28%)
- Blue (49%)



- Cyan (99%)
- Magenta (0%)
- Yellow (26%)
- Black (51%)



- Cyan (100%)
- Magenta (51%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 38.835, 166.128 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, 38.835, 166.128 by changing the saturation by 10% instead.


 46, 38.835,
166.128


 46, 38.835,
166.128


 100, 38.835,
166.128

 36, 38.835,
166.128

 66, 38.835,
166.128


 26, 38.835,
166.128

 76, 38.835,
166.128

 16, 38.835,
166.128

 86, 38.835,
166.128

 6, 38.835, 166.128

 96, 38.835,
166.128

 0, 38.835, 166.128

 46, 38.835,

 46, 38.835,

166.128

166.128

■ 46, 38.958,
166.022

■ 46, 36.831,
167.931

■ 46, 34.465,
169.661

■ 47, 31.555,
171.220

■ 47, 28.110,
172.625

■ 48, 24.172,
173.898

■ 48, 19.808,
175.059

■ 49, 15.096,
176.131

■ 50, 10.118,
177.131

Harmonies

Complementary

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



46, 38.835, 166.128



25, 51.684, 22.295

Rectangle

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



46, 38.835, 166.128



46, 38.835, 216.128



46, 38.835, 346.128



46, 38.835, 36.128

Sweetspot

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



46, 38.835, 166.127



62, 18.964, 175.994



45, 67.694, 133.313



32, 12.948, 175.627



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, 38.835, 166.127



59, 47.313, 165.499



37, 26.175, 240.885



25, 2.936, 178.126



46, 39.115, 166.010



89, 66.989, 164.824

Inverse Universe

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



25, 51.684, 22.295



33, 63.142, 24.028



27, 55.545, 44.699



24, 3.021, 359.601



25, 52.125, 22.592



53, 89.656, 25.894

Previews

White Background



This preview shows how the CIELCh color 46, 38.835, 166.128 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, 38.835, 166.128 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, 38.835, 166.128

Background



This preview shows how black text looks on a background with the CIELCh color 46, 38.835, 166.128.



This preview shows how white text looks on a background with the CIELCh color 46, 38.835, 166.128.

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, 38.774, 166.085

Protanopia

46, 14.052, 93.588

Deuteranopia

46, 9.156, 51.149



Tritanopia
46, 23.737, 211.743

Trichromacy



Original Color
46, 38.774, 166.085

Protanomaly
45, 22.491, 153.519

Deuteranomaly
44, 16.799, 160.310

Tritanomaly
46, 27.751, 190.239

Monochromacy



Original Color
46, 38.774, 166.085

Achromatopsia
36, 0.005, 296.813

Achromatomaly
39, 18.828, 173.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 38.835, 166.128 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(1, 124, 92)` looks like.

```
.text, #text, p{  
    color:rgb(1, 124, 92)  
}
```

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(1, 124, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 124, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 38.835, 166.128 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(1, 124, 92) }
```

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

```
.border{ border-color:rgb(1, 124, 92) }
```

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

Here you see how a box with a 4 pixel rgb(1, 124, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 124, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 124, 92);  
box-shadow:4px 4px 4px 4px rgb(1, 124, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 38.835, 166.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 124, 92) }
```

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

```
.background{ background-color: rgb(1, 124,  
92) }
```

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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