

Converting Colors

CIELCh(46, 11.745, 170.100)

Have a look what the booklet for
CIELCh(46, 11.745, 170.100)
contains.

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Color

CIELCh(46, 11.356, 169.984)

Conversions

Conversions Part 1

Format	Color
Hex	597269
RGB	89, 114, 105
RGB Percent	35%, 45%, 41%
CMY	0.6498, 0.5517, 0.5870
CMYK	0.22, 0.00, 0.08, 0.55
HSL	158°, 12%, 40%
HSV	158°, 22%, 45%
XYZ	12.7657, 15.2687, 15.7204
YIQ	105.4990, -12.0110, -8.0990

Conversions

Conversions Part 2

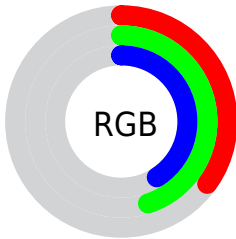
Format	Color
R_{YB}	89, 104, 114
Decimal	5861993
CIE _{Lab}	46.00, -11.18, 1.98
CIE _{LCh}	46, 11.356, 169.984
Yxy	15.2687, 0.2918, 0.3490
Android (android.graphics.Color)	4284052073 (0xFF597269)
YUV	105.4990, -0.2460, -14.4696
Hunter-Lab	39.0751, -10.0661, 3.4995

Details

The CIELCh color $46, 11.356, 169.984$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $41, 11.915, 353.990$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 11.584, 169.819$, and $26, 11.239, 169.698$ is the 20% darker color. If you saturate the color by 10%, you get $45, 16.361, 168.945$, and if you desaturate by 10%, it is $47, 6.209, 170.948$.

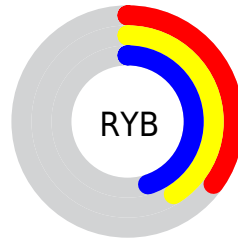
Distribution



Red (35%)

Green (45%)

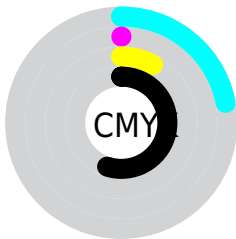
Blue (41%)



Red (35%)

Yellow (41%)

Blue (45%)

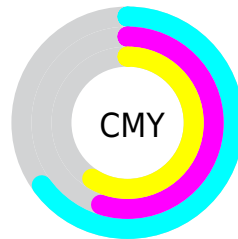


Cyan (22%)

Magenta (0%)

Yellow (8%)

Black (55%)



Cyan (65%)


Magenta (55%)


Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 11.356, 169.984 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, 11.356, 169.984 by changing the saturation by 10% instead.


 46, 11.356,
169.984


 46, 11.356,
169.984


 100, 11.356,
169.984


 36, 11.356,
169.984

 66, 11.356,
169.984


 26, 11.356,
169.984

 76, 11.356,
169.984

 16, 11.356,
169.984


 86, 11.356,
169.984

 6, 11.356, 169.984

 96, 11.356,
169.984

 0, 11.356, 169.984

 46, 11.356,

 46, 11.356,

169.984

169.984

■ 45, 16.361,
168.945

■ 47, 6.209, 170.948

■ 44, 21.145,
167.814

■ 48, 0.983, 172.082

■ 49, 4.265, 352.518

■ 44, 25.631,
166.564

■ 50, 9.489, 353.323

■ 43, 29.741,
165.176

■ 52, 14.655,
354.057

■ 43, 33.409,
163.628

■ 53, 19.739,
354.748

■ 43, 36.595,
161.899

■ 54, 24.721,
355.404

■ 42, 39.290,
159.983

■ 56, 29.592,
356.029

■ 42, 41.325,
158.457

■ 57, 34.345,
356.627

Harmonies

Complementary

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



46, 11.356, 169.984



41, 11.915, 353.990

Rectangle

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



46, 11.356, 169.984



46, 11.356, 219.984



46, 11.356, 349.984



46, 11.356, 39.984

Sweetspot

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



46, 11.357, 169.981



60, 4.526, 171.398



46, 16.221, 132.668



31, 2.921, 171.362



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



46, 11.357, 169.981



58, 16.587, 169.496



45, 8.471, 212.171



23, 2.898, 171.223



44, 42.838, 158.332



87, 74.938, 156.956

Inverse Universe

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



41, 11.915, 353.990



50, 17.593, 354.534



41, 9.760, 32.415



22, 2.957, 352.659



24, 48.686, 13.252



52, 83.991, 16.619

Previews

White Background



This preview shows how the CIE LCh color 46, 11.356, 169.984 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, 11.356, 169.984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

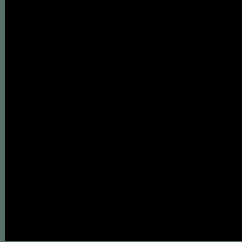
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 11.356, 169.984

Background



This preview shows how black text looks on a background with the CIELCh color 46, 11.356, 169.984.



This preview shows how white text looks on a background with the CIELCh color 46, 11.356, 169.984.

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, 11.356, 169.984

Protanopia

46, 3.921, 84.304

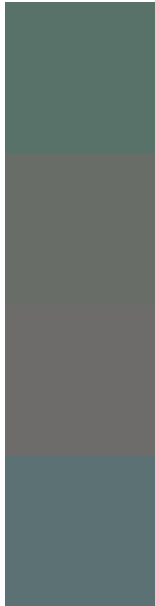
Deuteranopia

46, 6.378, 9.479



Tritanopia
46, 9.076, 235.034

Trichromacy



Original Color
46, 11.356, 169.984

Protanomaly
46, 4.856, 140.234

Deuteranomaly
46, 1.247, 90.683

Tritanomaly
46, 8.487, 206.597

Monochromacy



Original Color
46, 11.356, 169.984

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 4.086, 173.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 11.356, 169.984 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(89, 114, 105)` looks like.

```
.text, #text, p{  
    color:rgb(89, 114, 105)  
}
```

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(89, 114, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 114, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 11.356, 169.984 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(89, 114, 105) }
```

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

```
.border{ border-color:rgb(89, 114, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 114, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 114, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 114, 105);  
box-shadow:4px 4px 4px 4px rgb(89, 114,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 11.356, 169.984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 114, 105) }
```

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

```
.background{ background-color: rgb(89, 114,  
105) }
```

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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