

Converting Colors

CIELCh(46, 17.660, 160.294)

Have a look what the booklet for
CIELCh(46, 17.660, 160.294)
contains.

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Color

CIELCh(46, 16.998, 161.097)

Conversions

Conversions Part 1

Format	Color
Hex	527463
RGB	82, 116, 99
RGB Percent	32%, 45%, 39%
CMY	0.6774, 0.5440, 0.6107
CMYK	0.29, 0.00, 0.15, 0.54
HSL	150°, 17%, 39%
HSV	150°, 29%, 46%
XYZ	12.0470, 15.2687, 14.1858
YIQ	103.8960, -14.8070, -12.4950

Conversions

Conversions Part 2

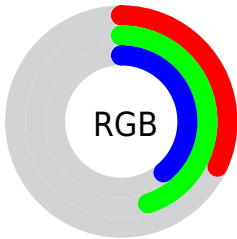
Format	Color
R_{YB}	82, 105, 116
Decimal	5403747
CIE _{Lab}	46.00, -16.08, 5.51
CIE _{LCh}	46, 16.998, 161.097
Yxy	15.2687, 0.2903, 0.3679
Android (android.graphics.Color)	4283593827 (0xFF527463)
YUV	103.8960, -2.4137, -19.2028
Hunter-Lab	39.0751, -13.3491, 5.8281

Details

The CIELCh color **46, 16.998, 161.097** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **39, 17.594, 346.197**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 16.891, 161.800**, and **26, 17.128, 161.765** is the 20% darker color. If you saturate the color by 10%, you get **45, 22.603, 160.015**, and if you desaturate by 10%, it is **47, 11.239, 162.067**.

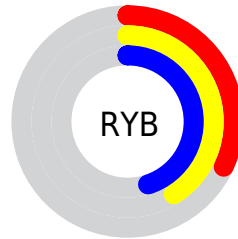
Distribution



Red (32%)

Green (45%)

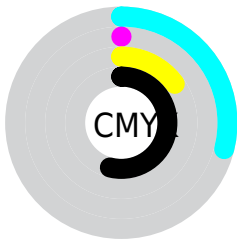
Blue (39%)



Red (32%)

Yellow (41%)

Blue (45%)

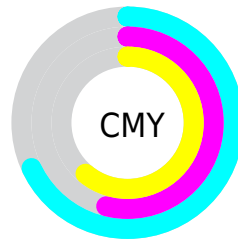


Cyan (29%)

Magenta (0%)

Yellow (15%)

Black (54%)



Cyan (68%)


Magenta (54%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 16.998, 161.097 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, 16.998, 161.097 by changing the saturation by 10% instead.


 46, 16.998,
161.097


 46, 16.998,
161.097


 100, 16.998,
161.097


 36, 16.998,
161.097

 66, 16.998,
161.097


 26, 16.998,
161.097

 76, 16.998,
161.097

 16, 16.998,
161.097


 86, 16.998,
161.097

 6, 16.998, 161.097

 96, 16.998,
161.097

 0, 16.998, 161.097

 46, 16.998,

 46, 16.998,

161.097

161.097

■ 45, 22.603,
160.015

■ 47, 11.239,
162.067

■ 44, 27.965,
158.804

■ 48, 5.403, 162.962

■ 44, 32.993,
157.438

■ 49, 0.443, 343.083

■ 50, 6.246, 344.377

■ 43, 37.604,
155.900

■ 52, 11.965,
345.062

■ 43, 41.732,
154.172

■ 53, 17.572,
345.685

■ 43, 45.344,
152.251

■ 54, 23.045,
346.262

■ 43, 48.597,
150.298

■ 56, 28.374,
346.802

■ 43, 48.840,
150.163

■ 57, 33.551,

Harmonies

Complementary

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



46, 16.998, 161.097



39, 17.594, 346.197

Rectangle

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



46, 16.998, 161.097



46, 16.998, 211.097



46, 16.998, 341.097



46, 16.998, 31.097

Sweetspot

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



46, 16.999, 161.096



61, 6.493, 162.964



47, 21.115, 127.182



32, 4.548, 162.859



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, 16.999, 161.096



58, 24.982, 160.393



46, 12.711, 196.487



24, 3.312, 162.980



45, 50.804, 150.027



87, 88.552, 148.673

Inverse Universe

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



39, 17.594, 346.197



48, 26.040, 346.907



39, 15.259, 20.375



23, 3.351, 344.309



25, 49.388, 0.349



54, 83.349, 2.880

Previews

White Background



This preview shows how the CIELCh color 46, 16.998, 161.097 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, 16.998, 161.097 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, 16.998, 161.097

Background



This preview shows how black text looks on a background with the CIELCh color 46, 16.998, 161.097.



This preview shows how white text looks on a background with the CIELCh color 46, 16.998, 161.097.

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, 16.998, 161.097

Protanopia

46, 8.114, 90.518

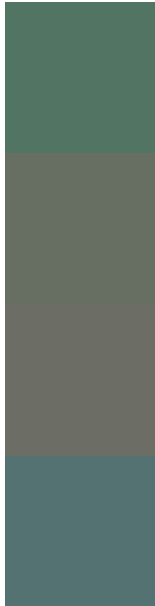
Deuteranopia

46, 7.458, 33.923



Tritanopia
46, 10.811, 228.334

Trichromacy



Original Color
46, 16.998, 161.097

Protanomaly
46, 9.136, 133.399

Deuteranomaly
46, 4.759, 114.549

Tritanomaly
46, 10.984, 198.194

Monochromacy



Original Color
46, 16.998, 161.097

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 6.109, 162.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 16.998, 161.097 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, 116, 99)` looks like.

```
.text, #text, p{  
    color:rgb(82, 116, 99)  
}
```

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, 116, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 116, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 16.998, 161.097 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, 116, 99) }
```

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

```
.border{ border-color:rgb(82, 116, 99) }
```

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

Here you see how a box with a 4 pixel rgb(82, 116, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 116, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 116, 99);  
box-shadow:4px 4px 4px 4px rgb(82, 116,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 16.998, 161.097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 116, 99) }
```

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

```
.background{ background-color: rgb(82, 116,  
99) }
```

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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