

Converting Colors

CIELCh(46, 16.525, 165.307)

Have a look what the booklet for
CIELCh(46, 16.525, 165.307)
contains.

CIELCh(46, 16.542, 164.942)	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, 16.542, 164.942)

Conversions

Conversions Part 1

Format	Color
Hex	517465
RGB	81, 116, 101
RGB Percent	32%, 45%, 40%
CMY	0.6812, 0.5439, 0.6028
CMYK	0.30, 0.00, 0.13, 0.54
HSL	154°, 18%, 39%
HSV	154°, 30%, 46%
XYZ	12.0625, 15.2687, 14.6994
YIQ	103.8250, -16.0450, -12.0850

Conversions

Conversions Part 2

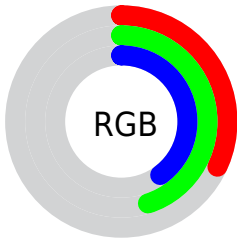
Format	Color
R_{YB}	81, 103, 116
Decimal	5338213
CIE _{Lab}	46.00, -15.97, 4.30
CIE _{LCh}	46, 16.542, 164.942
Yxy	15.2687, 0.2870, 0.3633
Android (android.graphics.Color)	4283528293 (0xFF517465)
YUV	103.8250, -1.3927, -20.0175
Hunter-Lab	39.0751, -13.2786, 5.0487

Details

The CIELCh color $46, 16.542, 164.942$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $39, 17.387, 350.533$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 16.496, 165.472$, and $26, 16.986, 164.051$ is the 20% darker color. If you saturate the color by 10%, you get $45, 21.770, 163.828$, and if you desaturate by 10%, it is $47, 11.131, 165.950$.

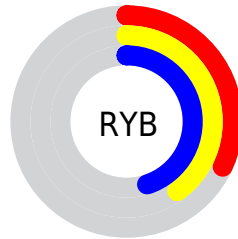
Distribution



Red (32%)

Green (45%)

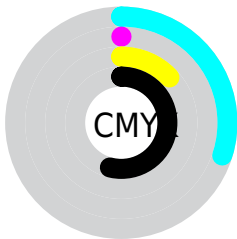
Blue (40%)



Red (32%)

Yellow (40%)

Blue (45%)

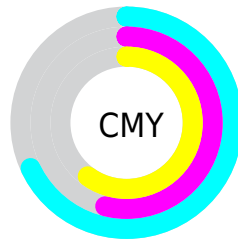


Cyan (30%)

Magenta (0%)

Yellow (13%)

Black (54%)



Cyan (68%)


Magenta (54%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 16.542, 164.942 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, 16.542, 164.942 by changing the saturation by 10% instead.


 46, 16.542,
164.942


 46, 16.542,
164.942


 100, 16.542,
164.942


 36, 16.542,
164.942

 66, 16.542,
164.942


 26, 16.542,
164.942

 76, 16.542,
164.942

 16, 16.542,
164.942


 86, 16.542,
164.942

 6, 16.542, 164.942

 96, 16.542,
164.942

 0, 16.542, 164.942

 46, 16.542,

 46, 16.542,

164.942

164.942

■ 45, 21.770,
163.828

■ 47, 11.131,
165.950

■ 45, 26.730,
162.590

■ 48, 5.613, 166.887

■ 44, 31.338,
161.206

■ 49, 0.054, 173.102

■ 50, 5.492, 348.391

■ 44, 35.518,
159.652

■ 51, 10.981,
349.136

■ 43, 39.216,
157.913

■ 53, 16.382,
349.817

■ 43, 42.411,
155.980

■ 54, 21.672,
350.455

■ 43, 45.279,
154.055

■ 56, 26.838,
351.056

■ 57, 31.870,

351.625

Harmonies

Complementary

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



46, 16.542, 164.942



39, 17.387, 350.533

Rectangle

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



46, 16.542, 164.942



46, 16.542, 214.942



46, 16.542, 344.942



46, 16.542, 34.942

Sweetspot

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



46, 16.543, 164.940



61, 6.174, 166.968



47, 22.205, 130.063



32, 4.323, 166.858



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, 16.543, 164.940



58, 24.238, 164.197



46, 12.158, 204.700



24, 3.149, 166.985



45, 47.085, 153.919



87, 81.926, 152.558

Inverse Universe

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



39, 17.387, 350.533



47, 25.756, 351.351



39, 14.864, 26.920



23, 3.199, 348.386



25, 49.040, 6.952



53, 83.302, 9.921

Previews

White Background



This preview shows how the CIELCh color 46, 16.542, 164.942 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, 16.542, 164.942 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, 16.542, 164.942

Background



This preview shows how black text looks on a background with the CIELCh color 46, 16.542, 164.942.



This preview shows how white text looks on a background with the CIELCh color 46, 16.542, 164.942.

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, 16.542, 164.942

Protanopia

46, 6.849, 91.075

Deuteranopia

46, 6.785, 25.163



Tritanopia
46, 11.105, 227.442

Trichromacy



Original Color
46, 16.542, 164.942

Protanomaly
46, 8.275, 139.324

Deuteranomaly
46, 3.658, 122.781

Tritanomaly
46, 11.329, 198.155

Monochromacy



Original Color
46, 16.542, 164.942

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 5.759, 167.516

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 16.542, 164.942 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(81, 116, 101)` looks like.

```
.text, #text, p{  
    color:rgb(81, 116, 101)  
}
```

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(81, 116, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 116, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 16.542, 164.942 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(81, 116, 101) }
```

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

```
.border{ border-color:rgb(81, 116, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 116, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 116, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 116, 101);  
box-shadow:4px 4px 4px 4px rgb(81, 116,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 16.542, 164.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 116, 101) }
```

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

```
.background{ background-color: rgb(81, 116,  
101) }
```

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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