

Converting Colors

CIELCh(46, 17.946, 166.273)

Have a look what the booklet for
CIELCh(46, 17.946, 166.273)
contains.

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Color

CIELCh(46, 18.082, 165.675)

Conversions

Conversions Part 1

Format	Color
Hex	4E7565
RGB	78, 117, 101
RGB Percent	31%, 46%, 40%
CMY	0.6943, 0.5413, 0.6041
CMYK	0.33, 0.00, 0.14, 0.54
HSL	155°, 20%, 38%
HSV	155°, 33%, 46%
XYZ	11.8412, 15.2687, 14.6237
YIQ	103.5150, -18.1080, -13.2440

Conversions

Conversions Part 2

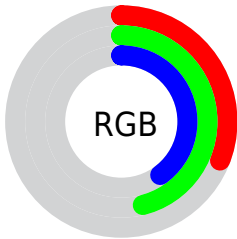
Format	Color
R_{YB}	78, 103, 117
Decimal	5141861
CIE _{Lab}	46.00, -17.52, 4.47
CIE _{LCh}	46, 18.082, 165.675
Yxy	15.2687, 0.2837, 0.3659
Android (android.graphics.Color)	4283331941 (0xFF4E7565)
YUV	103.5150, -1.2399, -22.3767
Hunter-Lab	39.0751, -14.2893, 5.1635

Details

The CIELCh color **46, 18.082, 165.675** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **38, 19.200, 352.081**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 17.989, 166.284**, and **26, 18.481, 164.453** is the 20% darker color. If you saturate the color by 10%, you get **45, 23.163, 164.520**, and if you desaturate by 10%, it is **47, 12.784, 166.719**.

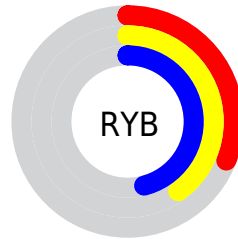
Distribution



Red (31%)

Green (46%)

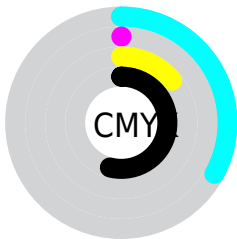
Blue (40%)



Red (31%)

Yellow (40%)

Blue (46%)

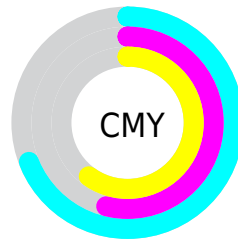


Cyan (33%)

Magenta (0%)

Yellow (14%)

Black (54%)



Cyan (69%)


Magenta (54%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 18.082, 165.675 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, 18.082, 165.675 by changing the saturation by 10% instead.

 46, 18.082,
165.675


 46, 18.082,
165.675


 100, 18.082,
165.675


 36, 18.082,
165.675

 66, 18.082,
165.675


 26, 18.082,
165.675

 76, 18.082,
165.675

 16, 18.082,
165.675


 86, 18.082,
165.675

 6, 18.082, 165.675

 96, 18.082,
165.675

 0, 18.082, 165.675

 46, 18.082,

 46, 18.082,

165.675

■ 45, 23.163,
164.520

■ 45, 27.941,
163.236

■ 44, 32.335,
161.801

■ 44, 36.277,
160.193

■ 43, 39.724,
158.396

■ 43, 42.678,
156.414

■ 43, 44.548,
155.146

165.675

■ 47, 12.784,
166.719

■ 48, 7.347, 167.683

■ 49, 1.842, 168.671

■ 50, 3.673, 349.232

■ 51, 9.150, 350.028

■ 53, 14.555,
350.739

■ 54, 19.861,
351.404

■ 55, 25.051,
352.030

■ 57, 30.114,
352.624

Harmonies

Complementary

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



46, 18.082, 165.675



38, 19.200, 352.081

Rectangle

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



46, 18.082, 165.675



46, 18.082, 215.675



46, 18.082, 345.675



46, 18.082, 35.675

Sweetspot

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



46, 18.083, 165.674



62, 6.866, 167.970



47, 24.799, 130.474



32, 4.656, 167.868



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, 18.083, 165.674



59, 26.739, 164.797



45, 13.160, 206.520



24, 3.109, 168.084



45, 46.124, 155.026



87, 80.205, 153.669

Inverse Universe

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



38, 19.200, 352.081



47, 28.770, 353.084



38, 16.511, 28.566



23, 3.162, 349.501



25, 49.076, 8.682



53, 83.532, 11.746

Previews

White Background



This preview shows how the CIELCh color 46, 18.082, 165.675 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, 18.082, 165.675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

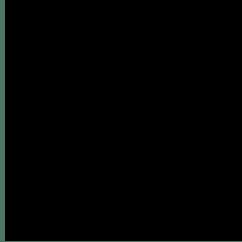
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 18.082, 165.675

Background



This preview shows how black text looks on a background with the CIELCh color 46, 18.082, 165.675.



This preview shows how white text looks on a background with the CIELCh color 46, 18.082, 165.675.

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, 18.082, 165.675

Protanopia

46, 7.416, 92.370

Deuteranopia

46, 6.886, 30.030



Tritanopia
46, 12.271, 224.321

Trichromacy



Original Color
46, 18.082, 165.675

Protanomaly
46, 9.004, 139.645

Deuteranomaly
45, 4.487, 131.291

Tritanomaly
46, 12.675, 198.011

Monochromacy



Original Color
46, 18.082, 165.675

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 6.772, 166.641

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 18.082, 165.675 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(78, 117, 101)` looks like.

```
.text, #text, p{  
    color:rgb(78, 117, 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(78, 117, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 117, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 18.082, 165.675 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(78, 117, 101) }
```

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

```
.border{ border-color:rgb(78, 117, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 117, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 117, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 117, 101);  
box-shadow:4px 4px 4px 4px rgb(78, 117,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 18.082, 165.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 117, 101) }
```

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

```
.background{ background-color: rgb(78, 117,  
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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