

Converting Colors

CIELCh(46, 15.641, 205.912)

Have a look what the booklet for
CIELCh(46, 15.641, 205.912)
contains.

| | |
|--|----|
| CIELCh(46, 15.676, 206.554) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 11 |
| <i>Previews</i> | 20 |
| <i>Color Blindness Simulation</i> | 23 |
| <i>CSS Examples</i> | 26 |

Color

CIELCh(46, 15.676, 206.554)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 487478 |
| RGB | 72, 116, 120 |
| RGB Percent | 28%, 45%, 47% |
| CMY | 0.7170, 0.5445, 0.5288 |
| CMYK | 0.40, 0.03, 0.00, 0.53 |
| HSL | 185°, 25%, 38% |
| HSV | 185°, 40%, 47% |
| XYZ | 12.3457, 15.2687, 20.1137 |
| YIQ | 103.3000, -27.5080, -8.0840 |

Conversions

Conversions Part 2

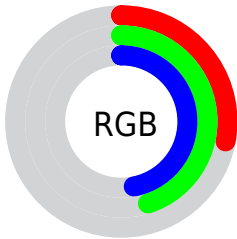
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 72, 95, 120 |
| Decimal | 4748408 |
| CIE _{Lab} | 46.00, -14.02, -7.01 |
| CIE _{LCh} | 46, 15.676, 206.554 |
| Yxy | 15.2687, 0.2587, 0.3199 |
| Android (android.graphics.Color) | 4282938488 (0xFF487478) |
| YUV | 103.3000, 8.2331, -27.4501 |
| Hunter-Lab | 39.0751, -11.9846, -3.1665 |

Details

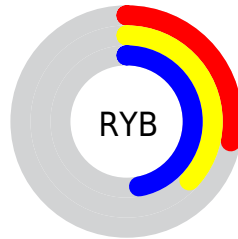
The CIELCh color **46, 15.676, 206.554** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **37, 20.742, 29.165**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 15.664, 206.337**, and **26, 15.835, 206.656** is the 20% darker color. If you saturate the color by 10%, you get **45, 18.682, 206.714**, and if you desaturate by 10%, it is **47, 12.237, 206.521**.

Distribution



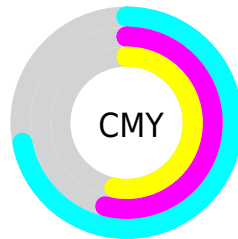
- Red (28%)
- Green (45%)
- Blue (47%)



- Red (28%)
- Yellow (37%)
- Blue (47%)



- Cyan (40%)
- Magenta (3%)
- Yellow (0%)
- Black (53%)





- Cyan (72%)
- Magenta (54%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 15.676, 206.554 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, 15.676, 206.554 by changing the saturation by 10% instead.


 46, 15.676,
206.554


 46, 15.676,
206.554


 100, 15.676,
206.554


 36, 15.676,
206.554

 66, 15.676,
206.554


 26, 15.676,
206.554

 76, 15.676,
206.554

 16, 15.676,
206.554


 86, 15.676,
206.554

 6, 15.676, 206.554

 96, 15.676,
206.554

 0, 15.676, 206.554

 46, 15.676,

 46, 15.676,

206.554

206.554

■ 45, 18.682,
206.714

■ 47, 12.237,
206.521

■ 44, 21.196,
207.035

■ 48, 8.431, 206.606

■ 44, 23.175,
207.538

■ 49, 4.324, 206.808

■ 50, 0.024, 10.648

■ 43, 24.597,
208.252

■ 52, 4.553, 27.149

■ 43, 25.472,
209.202

■ 53, 9.217, 27.518

■ 55, 13.976, 27.889

■ 42, 26.016,
210.300

■ 56, 18.795, 28.275

■ 42, 26.019,
210.305

■ 58, 23.648, 28.673

Harmonies

Complementary

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



46, 15.676, 206.554



37, 20.742, 29.165

Rectangle

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



46, 15.676, 206.554



46, 15.676, 256.554



46, 15.676, 26.554



46, 15.676, 76.554

Sweetspot

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



46, 15.676, 206.551



62, 6.404, 206.748



46, 32.866, 143.370



32, 4.270, 206.725



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 15.676, 206.551



58, 22.268, 206.696



39, 17.865, 268.815



25, 2.491, 206.834



44, 26.753, 210.367



84, 44.854, 211.207

Inverse Universe

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



38, 32.457, 328.958



46, 47.550, 329.449



43, 19.043, 77.265



24, 4.657, 327.241



28, 63.957, 331.724



59, 107.298, 331.930

Previews

White Background



This preview shows how the CIELCh color 46, 15.676, 206.554 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, 15.676, 206.554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

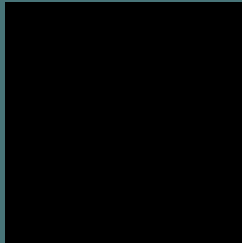
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 15.676, 206.554

Background



This preview shows how black text looks on a background with the CIELCh color 46, 15.676, 206.554.



This preview shows how white text looks on a background with the CIELCh color 46, 15.676, 206.554.

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, 15.676, 206.554

Protanopia

46, 4.192, 296.228

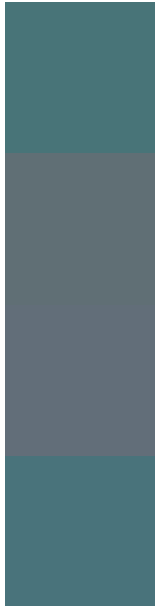
Deuteranopia

46, 9.956, 307.461



Tritanopia
46, 15.536, 220.653

Trichromacy



Original Color
46, 15.676, 206.554

Protanomaly
46, 6.707, 231.145

Deuteranomaly
46, 7.874, 255.563

Tritanomaly
46, 15.297, 216.183

Monochromacy



Original Color
46, 15.676, 206.554

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 6.307, 204.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 15.676, 206.554 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(72, 116, 120)` looks like.

```
.text, #text, p{  
    color:rgb(72, 116, 120)  
}
```

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(72, 116, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 116, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 15.676, 206.554 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(72, 116, 120) }
```

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

```
.border{ border-color:rgb(72, 116, 120) }
```

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

Here you see how a box with a 4 pixel rgb(72, 116, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 116, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 116, 120);  
box-shadow:4px 4px 4px 4px rgb(72, 116,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 15.676, 206.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 116, 120) }
```

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

```
.background{ background-color: rgb(72, 116,  
120) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor