

Converting Colors

CIELCh(46, 15.356, 202.497)

Have a look what the booklet for
CIELCh(46, 15.356, 202.497)
contains.

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Color

CIELCh(46, 15.420, 202.203)

Conversions

Conversions Part 1

Format	Color
Hex	497476
RGB	73, 116, 118
RGB Percent	29%, 45%, 46%
CMY	0.7130, 0.5444, 0.5365
CMYK	0.38, 0.02, 0.00, 0.54
HSL	183°, 24%, 38%
HSV	183°, 38%, 46%
XYZ	12.3086, 15.2687, 19.4946
YIQ	103.3710, -26.2700, -8.4940

Conversions

Conversions Part 2

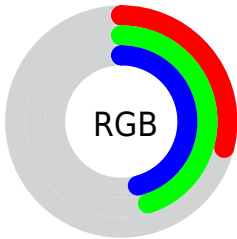
Format	Color
R_{YB}	73, 95, 118
Decimal	4813942
CIE _{Lab}	46.00, -14.28, -5.83
CIE _{LCh}	46, 15.420, 202.203
Yxy	15.2687, 0.2615, 0.3244
Android (android.graphics.Color)	4283004022 (0xFF497476)
YUV	103.3710, 7.2121, -26.6354
Hunter-Lab	39.0751, -12.1543, -2.2272

Details

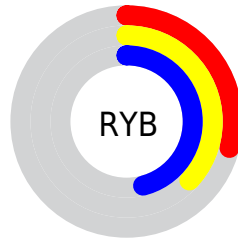
The CIELCh color **46, 15.420, 202.203** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **37, 20.010, 25.947**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 15.360, 202.310**, and **26, 15.553, 201.889** is the 20% darker color. If you saturate the color by 10%, you get **45, 18.591, 202.090**, and if you desaturate by 10%, it is **47, 11.822, 202.402**.

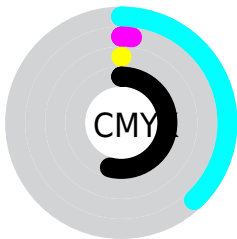
Distribution



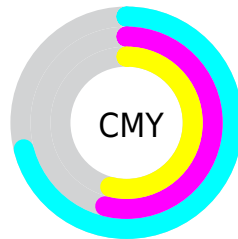
- Red (29%)
- Green (45%)
- Blue (46%)



- Red (29%)
- Yellow (37%)
- Blue (46%)



- Cyan (38%)
- Magenta (2%)
- Yellow (0%)
- Black (54%)





- Cyan (71%)
- Magenta (54%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 15.420, 202.203 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, 15.420, 202.203 by changing the saturation by 10% instead.


 46, 15.420,
202.203


 46, 15.420,
202.203


 100, 15.420,
202.203


 36, 15.420,
202.203

 66, 15.420,
202.203


 26, 15.420,
202.203

 76, 15.420,
202.203

 16, 15.420,
202.203


 86, 15.420,
202.203

 6, 15.420, 202.203

 96, 15.420,
202.203

 0, 15.420, 202.203

 46, 15.420,

 46, 15.420,

202.203

■ 45, 18.591,
202.090

■ 45, 21.273,
202.084

■ 44, 23.422,
202.194

■ 44, 25.013,
202.435

■ 43, 26.051,
202.814

■ 43, 26.680,
203.303

■ 43, 26.797,
203.395

202.203

■ 47, 11.822,
202.402

■ 48, 7.862, 202.687

■ 49, 3.607, 203.075

■ 50, 0.878, 22.922

■ 51, 5.538, 23.704

■ 52, 10.322, 24.186

■ 54, 15.190, 24.669

■ 55, 20.106, 25.161

■ 57, 25.046, 25.658

Harmonies

Complementary

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



46, 15.420, 202.203



37, 20.010, 25.947

Rectangle

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



46, 15.420, 202.203



46, 15.420, 252.203



46, 15.420, 22.203



46, 15.420, 72.203

Sweetspot

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



46, 15.420, 202.200



62, 6.022, 202.934



46, 31.658, 142.642



32, 4.012, 202.894



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, 15.420, 202.200



58, 22.079, 202.096



39, 16.154, 265.051



24, 2.493, 203.030



44, 27.474, 203.423



86, 46.443, 203.839

Inverse Universe

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



38, 31.389, 327.662



46, 46.317, 328.115



43, 17.519, 74.268



23, 4.616, 326.106



28, 64.912, 330.013



59, 109.846, 330.116

Previews

White Background



This preview shows how the CIELCh color 46, 15.420, 202.203 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, 15.420, 202.203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

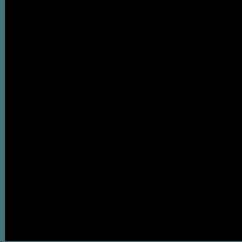
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 15.420, 202.203

Background



This preview shows how black text looks on a background with the CIELCh color 46, 15.420, 202.203.



This preview shows how white text looks on a background with the CIELCh color 46, 15.420, 202.203.

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, 15.420, 202.203

Protanopia

46, 3.011, 298.279

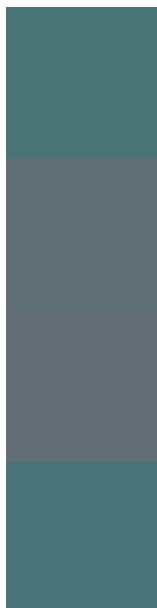
Deuteranopia

46, 8.956, 311.988



Tritanopia
46, 14.850, 219.288

Trichromacy



Original Color
46, 15.420, 202.203

Protanomaly
46, 6.233, 221.363

Deuteranomaly
46, 6.736, 251.949

Tritanomaly
46, 14.924, 214.247

Monochromacy



Original Color
46, 15.420, 202.203

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 5.930, 204.582

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 15.420, 202.203 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(73, 116, 118)` looks like.

```
.text, #text, p{  
    color:rgb(73, 116, 118)  
}
```

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(73, 116, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 116, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 15.420, 202.203 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(73, 116, 118) }
```

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

```
.border{ border-color:rgb(73, 116, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 116, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(73, 116, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(73, 116, 118); box-shadow:4px 4px 4px 4px rgb(73, 116, 118) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 15.420, 202.203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 116, 118) }
```

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

```
.background{ background-color: rgb(73, 116,  
118) }
```

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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