

Converting Colors

CIELCh(46, 15.726, 202.131)

Have a look what the booklet for
CIELCh(46, 15.726, 202.131)
contains.

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Color

CIELCh(46, 15.721, 202.086)

Conversions

Conversions Part 1

Format	Color
Hex	487476
RGB	72, 116, 118
RGB Percent	28%, 45%, 46%
CMY	0.7164, 0.5439, 0.5360
CMYK	0.39, 0.02, 0.00, 0.54
HSL	183°, 24%, 37%
HSV	183°, 39%, 46%
XYZ	12.2662, 15.2687, 19.5382
YIQ	103.0720, -26.8660, -8.7060

Conversions

Conversions Part 2

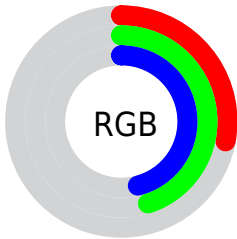
Format	Color
R_YB	72, 94, 118
Decimal	4748406
CIE _{Lab}	46.00, -14.57, -5.91
CIE _{LCh}	46, 15.721, 202.086
Yxy	15.2687, 0.2606, 0.3244
Android (android.graphics.Color)	4282938486 (0xFF487476)
YUV	103.0720, 7.3595, -27.2501
Hunter-Lab	39.0751, -12.3480, -2.2934

Details

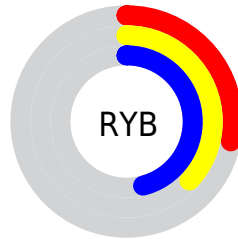
The CIELCh color **46, 15.721, 202.086** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **37, 20.527, 25.968**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 15.674, 202.201**, and **26, 15.766, 201.792** is the 20% darker color. If you saturate the color by 10%, you get **45, 18.860, 201.975**, and if you desaturate by 10%, it is **47, 12.148, 202.283**.

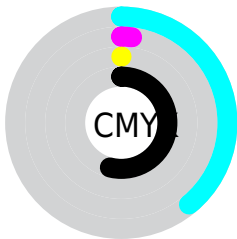
Distribution



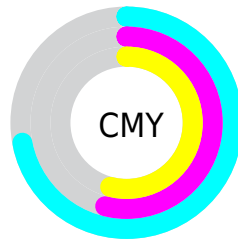
- Red (28%)
- Green (45%)
- Blue (46%)



- Red (28%)
- Yellow (37%)
- Blue (46%)



- Cyan (39%)
- Magenta (2%)
- Yellow (0%)
- Black (54%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 15.721, 202.086 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, 15.721, 202.086 by changing the saturation by 10% instead.


 46, 15.721,
202.086


 46, 15.721,
202.086


 100, 15.721,
202.086


 36, 15.721,
202.086

 66, 15.721,
202.086


 26, 15.721,
202.086

 76, 15.721,
202.086

 16, 15.721,
202.086


 86, 15.721,
202.086

 6, 15.721, 202.086

 96, 15.721,
202.086

 0, 15.721, 202.086

 46, 15.721,

 46, 15.721,

202.086

■ 45, 18.860,
201.975

■ 45, 21.507,
201.971

■ 44, 23.615,
202.083

■ 44, 25.165,
202.324

■ 43, 26.161,
202.704

■ 43, 26.781,
203.181

■ 43, 26.850,
203.233

202.086

■ 47, 12.148,
202.283

■ 48, 8.207, 202.566

■ 49, 3.966, 202.946

■ 50, 0.511, 22.492

■ 51, 5.167, 23.579

■ 52, 9.952, 24.066

■ 54, 14.823, 24.551

■ 55, 19.745, 25.044

■ 57, 24.692, 25.544

Harmonies

Complementary

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



46, 15.721, 202.086



37, 20.527, 25.968

Rectangle

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



46, 15.721, 202.086



46, 15.721, 252.086



46, 15.721, 22.086



46, 15.721, 72.086

Sweetspot

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



46, 15.721, 202.083



62, 6.558, 202.801



46, 32.338, 142.567



31, 4.314, 202.764



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, 15.721, 202.083



58, 22.466, 201.979



39, 16.506, 265.225



24, 2.495, 202.939



44, 27.506, 203.259



86, 46.499, 203.665

Inverse Universe

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



38, 32.078, 327.675



45, 47.272, 328.135



43, 17.933, 74.166



23, 4.619, 326.079



28, 64.960, 329.972



59, 109.932, 330.073

Previews

White Background



This preview shows how the CIELCh color 46, 15.721, 202.086 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, 15.721, 202.086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

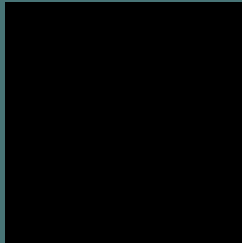
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 15.721, 202.086

Background



This preview shows how black text looks on a background with the CIELCh color 46, 15.721, 202.086.



This preview shows how white text looks on a background with the CIELCh color 46, 15.721, 202.086.

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, 15.721, 202.086

Protanopia
46, 3.011, 298.279

Deuteranopia
46, 9.387, 308.443



Tritanopia
46, 15.265, 221.103

Trichromacy



Original Color
46, 15.721, 202.086

Protanomaly
46, 6.233, 221.363

Deuteranomaly
46, 7.411, 252.708

Tritanomaly
46, 15.297, 216.183

Monochromacy



Original Color
46, 15.721, 202.086

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, 15.721, 202.086 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(72, 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(72, 116, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 116, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 15.721, 202.086 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, 118) }
```

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

```
.border{ border-color:rgb(72, 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(72, 116, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 116, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 116, 118);  
box-shadow:4px 4px 4px 4px rgb(72, 116,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 15.721, 202.086 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, 118) }
```

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

```
.background{ background-color: rgb(72, 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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