

Converting Colors

CIELCh(46, 21.811, 160.237)

Have a look what the booklet for
CIELCh(46, 21.811, 160.237)
contains.

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Color

CIELCh(46, 21.778, 160.237)

Conversions

Conversions Part 1

Format	Color
Hex	4A7660
RGB	74, 118, 96
RGB Percent	29%, 46%, 38%
CMY	0.7097, 0.5371, 0.6234
CMYK	0.37, 0.00, 0.19, 0.54
HSL	150°, 23%, 38%
HSV	150°, 37%, 46%
XYZ	11.4230, 15.2687, 13.4205
YIQ	102.3360, -19.1620, -16.1700

Conversions

Conversions Part 2

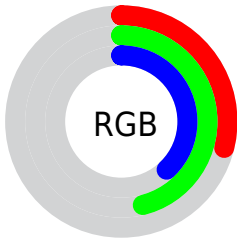
Format	Color
R_{YB}	74, 103, 118
Decimal	4879968
CIE _{Lab}	46.00, -20.50, 7.36
CIE _{LCh}	46, 21.778, 160.237
Yxy	15.2687, 0.2848, 0.3806
Android (android.graphics.Color)	4283070048 (0xFF4A7660)
YUV	102.3360, -3.1236, -24.8507
Hunter-Lab	39.0751, -16.1999, 6.9893

Details

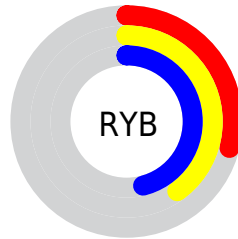
The CIELCh color **46, 21.778, 160.237** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **37, 22.735, 347.078**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 21.472, 161.228**, and **26, 21.457, 160.752** is the 20% darker color. If you saturate the color by 10%, you get **45, 27.260, 159.049**, and if you desaturate by 10%, it is **47, 16.069, 161.296**.

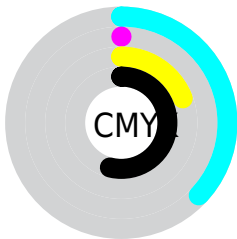
Distribution



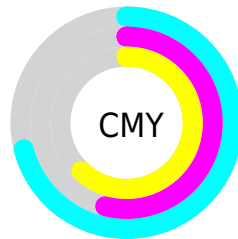
- Red (29%)
- Green (46%)
- Blue (38%)



- Red (29%)
- Yellow (40%)
- Blue (46%)



- Cyan (37%)
- Magenta (0%)
- Yellow (19%)
- Black (54%)




- Cyan (71%)
- Magenta (54%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 21.778, 160.237 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, 21.778, 160.237 by changing the saturation by 10% instead.


 46, 21.778,
160.237


 46, 21.778,
160.237


 100, 21.778,
160.237


 36, 21.778,
160.237

 66, 21.778,
160.237


 26, 21.778,
160.237

 76, 21.778,
160.237

 16, 21.778,
160.237

 86, 21.778,
160.237

 6, 21.778, 160.237

 96, 21.778,
160.237

 0, 21.778, 160.237

 46, 21.778,

 46, 21.778,

160.237

160.237

■ 45, 27.260,
159.049

■ 47, 16.069,
161.296

■ 45, 32.420,
157.712

■ 48, 10.218,
162.251

■ 44, 37.172,
156.205

■ 49, 4.303, 163.141

■ 44, 41.446,
154.510

■ 50, 1.611, 343.681

■ 51, 7.471, 344.525

■ 43, 45.199,
152.621

■ 53, 13.240,
345.196

■ 43, 48.514,
150.629

■ 54, 18.890,
345.810

■ 43, 49.401,
150.127

■ 55, 24.402,
346.381

■ 57, 29.765,

346.915

Harmonies

Complementary

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



46, 21.778, 160.237



37, 22.735, 347.078

Rectangle

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



46, 21.778, 160.237



46, 21.778, 210.237



46, 21.778, 340.237



46, 21.778, 30.237

Sweetspot

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



46, 21.779, 160.236



62, 8.047, 162.787



47, 27.150, 126.807



32, 5.375, 162.698



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, 21.779, 160.236



58, 32.145, 159.194



47, 15.912, 196.099



24, 3.311, 162.985



45, 50.799, 150.031



87, 88.544, 148.677

Inverse Universe

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



37, 22.735, 347.078



45, 33.810, 348.153



36, 20.230, 21.390



23, 3.351, 344.314



25, 49.387, 0.358



54, 83.348, 2.889

Previews

White Background



This preview shows how the CIELCh color 46, 21.778, 160.237 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, 21.778, 160.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

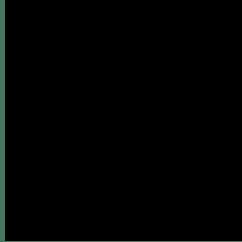
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 21.778, 160.237

Background



This preview shows how black text looks on a background with the CIELCh color 46, 21.778, 160.237.



This preview shows how white text looks on a background with the CIELCh color 46, 21.778, 160.237.

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, 21.778, 160.237

Protanopia

46, 10.391, 94.174

Deuteranopia

46, 8.545, 44.647



Tritanopia
46, 13.145, 222.398

Trichromacy



Original Color
46, 21.778, 160.237

Protanomaly
46, 12.539, 134.530

Deuteranomaly
46, 7.424, 125.617

Tritanomaly
46, 13.862, 192.904

Monochromacy



Original Color
46, 21.778, 160.237

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 8.146, 162.488

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 21.778, 160.237 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(74, 118, 96)` looks like.

```
.text, #text, p{  
    color:rgb(74, 118, 96)  
}
```

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(74, 118, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 118, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 21.778, 160.237 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(74, 118, 96) }
```

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

```
.border{ border-color:rgb(74, 118, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 118, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 118, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 118, 96);  
box-shadow:4px 4px 4px 4px rgb(74, 118,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 21.778, 160.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 118, 96) }
```

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

```
.background{ background-color: rgb(74, 118,  
96) }
```

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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