

Converting Colors

CIELCh(46, 23.033, 160.580)

Have a look what the booklet for
CIELCh(46, 23.033, 160.580)
contains.

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Color

CIELCh(46, 23.239, 160.981)

Conversions

Conversions Part 1

Format	Color
Hex	477760
RGB	71, 119, 96
RGB Percent	28%, 47%, 38%
CMY	0.7230, 0.5348, 0.6249
CMYK	0.40, 0.00, 0.19, 0.53
HSL	151°, 25%, 37%
HSV	151°, 40%, 47%
XYZ	11.2193, 15.2687, 13.3360
YIQ	102.0260, -21.2250, -17.3290

Conversions

Conversions Part 2

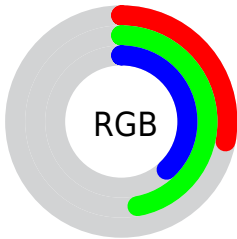
Format	Color
R_{YB}	71, 103, 119
Decimal	4683616
CIE _{Lab}	46.00, -21.97, 7.57
CIE _{LCh}	46, 23.239, 160.981
Yxy	15.2687, 0.2817, 0.3834
Android (android.graphics.Color)	4282873696 (0xFF477760)
YUV	102.0260, -2.9708, -27.2098
Hunter-Lab	39.0751, -17.1302, 7.1175

Details

The CIELCh color **46, 23.239, 160.981** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **36, 24.468, 348.704**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 23.256, 161.013**, and **26, 22.989, 161.324** is the 20% darker color. If you saturate the color by 10%, you get **45, 28.536, 159.741**, and if you desaturate by 10%, it is **47, 17.680, 162.086**.

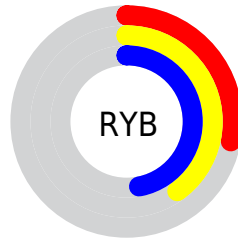
Distribution



Red (28%)

Green (47%)

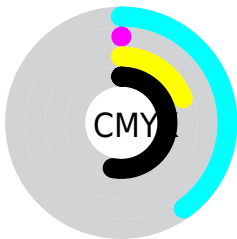
Blue (38%)



Red (28%)

Yellow (40%)

Blue (47%)

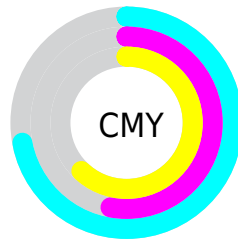


Cyan (40%)

Magenta (0%)

Yellow (19%)

Black (53%)



Cyan (72%)


Magenta (53%)


Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 23.239, 160.981 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, 23.239, 160.981 by changing the saturation by 10% instead.


 46, 23.239,
160.981


 46, 23.239,
160.981


 100, 23.239,
160.981


 36, 23.239,
160.981

 66, 23.239,
160.981


 26, 23.239,
160.981

 76, 23.239,
160.981

 16, 23.239,
160.981

 86, 23.239,
160.981

 6, 23.239, 160.981

 96, 23.239,
160.981

 0, 23.239, 160.981

 46, 23.239,

 46, 23.239,

160.981

160.981

■ 45, 28.536,
159.741

■ 47, 17.680,
162.086

■ 45, 33.479,
158.348

■ 48, 11.944,
163.082

■ 44, 37.986,
156.779

■ 49, 6.115, 163.997

■ 44, 41.998,
155.019

■ 50, 0.261, 165.845

■ 51, 5.563, 345.456

■ 44, 45.489,
153.065

■ 52, 11.313,
346.169

■ 43, 48.524,
151.200

■ 54, 16.957,
346.816

■ 55, 22.474,
347.416

■ 57, 27.850,

Harmonies

Complementary

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



46, 23.239, 160.981



36, 24.468, 348.704

Rectangle

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



46, 23.239, 160.981



46, 23.239, 210.981



46, 23.239, 340.981



46, 23.239, 30.981

Sweetspot

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



46, 23.240, 160.980



62, 8.646, 163.832



47, 29.780, 127.852



31, 5.700, 163.748



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, 23.240, 160.980



58, 34.151, 159.776



46, 16.731, 199.243



24, 3.262, 164.125



45, 49.705, 151.118



87, 86.602, 149.758

Inverse Universe

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



36, 24.468, 348.704



43, 36.267, 350.005



36, 22.028, 24.234



23, 3.304, 345.477



25, 49.205, 2.280



54, 83.181, 4.950

Previews

White Background



This preview shows how the CIELCh color 46, 23.239, 160.981 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, 23.239, 160.981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

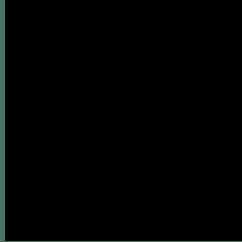
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 23.239, 160.981

Background



This preview shows how black text looks on a background with the CIELCh color 46, 23.239, 160.981.



This preview shows how white text looks on a background with the CIELCh color 46, 23.239, 160.981.

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, 23.239, 160.981

Protanopia

46, 10.965, 94.827

Deuteranopia

46, 8.545, 44.647



Tritanopia
46, 14.287, 220.222

Trichromacy



Original Color
46, 23.239, 160.981

Protanomaly
46, 13.262, 134.984

Deuteranomaly
46, 7.560, 128.622

Tritanomaly
46, 15.138, 193.192

Monochromacy



Original Color
46, 23.239, 160.981

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 8.469, 163.995

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 23.239, 160.981 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(71, 119, 96)` looks like.

```
.text, #text, p{  
    color:rgb(71, 119, 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(71, 119, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 119, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 23.239, 160.981 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(71, 119, 96) }
```

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

```
.border{ border-color:rgb(71, 119, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 119, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 119, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 119, 96);  
box-shadow:4px 4px 4px 4px rgb(71, 119,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 23.239, 160.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 119, 96) }
```

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

```
.background{ background-color: rgb(71, 119,  
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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