

Converting Colors

CIELCh(46, 10.483, 169.708)

Have a look what the booklet for
CIELCh(46, 10.483, 169.708)
contains.

CIELCh(46, 10.696, 168.189)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 10.696, 168.189)

Conversions

Conversions Part 1

Format	Color
Hex	5B7269
RGB	91, 114, 105
RGB Percent	36%, 45%, 41%
CMY	0.6433, 0.5531, 0.5884
CMYK	0.20, 0.00, 0.08, 0.55
HSL	157°, 11%, 40%
HSV	157°, 20%, 45%
XYZ	12.8727, 15.2687, 15.6243
YIQ	106.0970, -10.8190, -7.6750

Conversions

Conversions Part 2

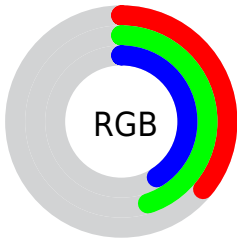
Format	Color
R_{YB}	91, 105, 114
Decimal	5993065
CIE _{Lab}	46.00, -10.47, 2.19
CIE _{LCh}	46, 10.696, 168.189
Yxy	15.2687, 0.2941, 0.3489
Android (android.graphics.Color)	4284183145 (0xFF5B7269)
YUV	106.0970, -0.5408, -13.2401
Hunter-Lab	39.0751, -9.5773, 3.6453

Details

The CIELCh color $[46, 10.696, 168.189]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[41, 11.121, 351.783]$, and the grayscale version is $[45, 0.006, 296.813]$.

A 20% lighter version of the original color is $[66, 10.956, 168.097]$, and $[26, 10.557, 167.886]$ is the 20% darker color. If you saturate the color by 10%, you get $[45, 15.853, 167.169]$, and if you desaturate by 10%, it is $[47, 5.422, 169.136]$.

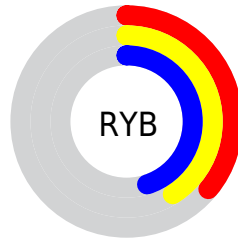
Distribution



Red (36%)

Green (45%)

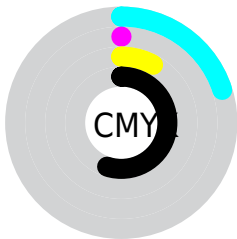
Blue (41%)



Red (36%)

Yellow (41%)

Blue (45%)

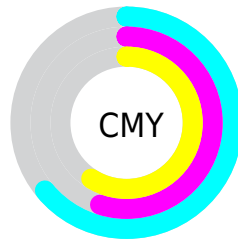


Cyan (20%)

Magenta (0%)

Yellow (8%)

Black (55%)



Cyan (64%)


Magenta (55%)


Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 10.696, 168.189 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, 10.696, 168.189 by changing the saturation by 10% instead.


 46, 10.696,
168.189


 46, 10.696,
168.189


 100, 10.696,
168.189


 36, 10.696,
168.189

 66, 10.696,
168.189


 26, 10.696,
168.189

 76, 10.696,
168.189

 16, 10.696,
168.189


 86, 10.696,
168.189

 6, 10.696, 168.189

 96, 10.696,
168.189

 0, 10.696, 168.189

 46, 10.696,

 46, 10.696,

168.189

■ 45, 15.853,
167.169

■ 44, 20.814,
166.054

■ 44, 25.502,
164.820

■ 43, 29.836,
163.446

■ 43, 33.746,
161.909

■ 42, 37.182,
160.191

■ 42, 40.127,
158.282

■ 42, 42.750,
156.400

168.189

■ 47, 5.422, 169.136

■ 48, 0.093, 173.111

■ 49, 5.237, 350.670

■ 50, 10.526,
351.439

■ 52, 15.741,
352.145

■ 53, 20.859,
352.809

■ 54, 25.866,
353.437

■ 56, 30.752,
354.035

■ 58, 35.512,

Harmonies

Complementary

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



46, 10.696, 168.189



41, 11.121, 351.783

Rectangle

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



46, 10.696, 168.189



46, 10.696, 218.189



46, 10.696, 348.189



46, 10.696, 38.189

Sweetspot

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



46, 10.697, 168.186



60, 3.958, 169.523



46, 14.786, 131.647



31, 2.609, 169.478



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



46, 10.697, 168.186



58, 15.695, 167.745



46, 8.047, 208.402



23, 2.958, 169.249



44, 44.421, 156.265



86, 77.813, 154.873

Inverse Universe

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



41, 11.121, 351.783



51, 16.462, 352.262



42, 9.161, 29.198



22, 3.011, 350.665



24, 48.424, 10.335



53, 83.215, 13.578

Previews

White Background



This preview shows how the CIELCh color 46, 10.696, 168.189 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, 10.696, 168.189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

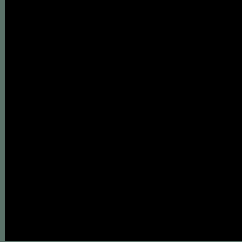
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 10.696, 168.189

Background



This preview shows how black text looks on a background with the CIELCh color 46, 10.696, 168.189.



This preview shows how white text looks on a background with the CIELCh color 46, 10.696, 168.189.

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

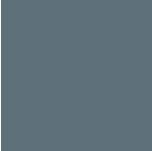
46, 10.696, 168.189

Protanopia

46, 3.921, 84.304

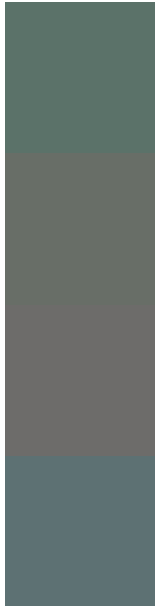
Deuteranopia

46, 6.378, 9.479



Tritanopia
46, 8.513, 237.913

Trichromacy



Original Color
46, 10.696, 168.189

Protanomaly
46, 4.856, 140.234

Deuteranomaly
46, 1.247, 90.683

Tritanomaly
46, 7.769, 207.428

Monochromacy



Original Color
46, 10.696, 168.189

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 3.730, 170.434

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 10.696, 168.189 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(91, 114, 105)` looks like.

```
.text, #text, p{  
    color:rgb(91, 114, 105)  
}
```

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(91, 114, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 114, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 10.696, 168.189 is called "border". The border property can be set on classes, ids or directly on the HTML element.

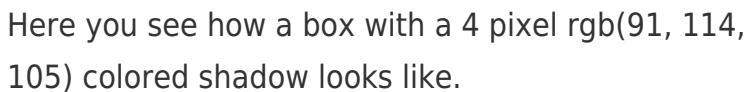
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 114, 105) }
```

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

```
.border{ border-color:rgb(91, 114, 105) }
```

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



Here you see how a box with a 4 pixel `rgb(91, 114, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(91, 114, 105); -webkit-box-shadow:4px 4px 4px 4px rgb(91, 114, 105); box-shadow:4px 4px 4px 4px rgb(91, 114, 105) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 10.696, 168.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 114, 105) }
```

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

```
.background{ background-color: rgb(91, 114,  
105) }
```

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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