

Converting Colors

CIELCh(46, 20.454, 108.575)

Have a look what the booklet for
CIELCh(46, 20.454, 108.575)
contains.

CIELCh(46, 20.483, 108.553)	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, 20.483, 108.553)

Conversions

Conversions Part 1

Format	Color
Hex	6E6F4C
RGB	110, 111, 76
RGB Percent	43%, 44%, 30%
CMY	0.5678, 0.5639, 0.7012
CMYK	0.01, 0.00, 0.31, 0.56
HSL	62°, 19%, 37%
HSV	62°, 31%, 44%
XYZ	13.4763, 15.2687, 9.1110
YIQ	106.7110, 10.6390, -11.0970

Conversions

Conversions Part 2

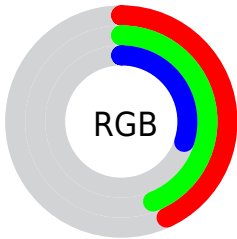
Format	Color
R_{YB}	76, 111, 77
Decimal	7237452
CIE Lab	46.00, -6.52, 19.42
CIE LCh	46, 20.483, 108.553
Yxy	15.2687, 0.3560, 0.4033
Android (android.graphics.Color)	4285427532 (0xFF6E6F4C)
YUV	106.7110, -15.1405, 2.8845
Hunter-Lab	39.0751, -6.8200, 13.5281

Details

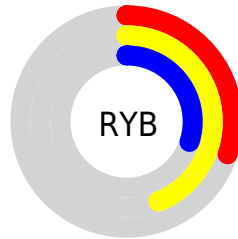
The CIELCh color $46, 20.483, 108.553$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $34, 22.020, 294.774$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 20.831, 109.097$, and $26, 20.331, 107.392$ is the 20% darker color. If you saturate the color by 10%, you get $46, 26.761, 107.704$, and if you desaturate by 10%, it is $46, 14.053, 109.429$.

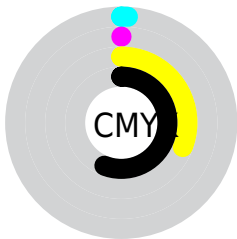
Distribution



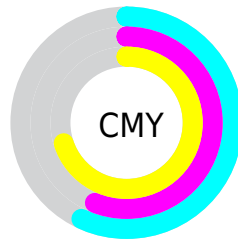
- Red (43%)
- Green (44%)
- Blue (30%)



- Red (30%)
- Yellow (44%)
- Blue (30%)



- Cyan (1%)
- Magenta (0%)
- Yellow (31%)
- Black (56%)





- Cyan (57%)
- Magenta (56%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 20.483, 108.553 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, 20.483, 108.553 by changing the saturation by 10% instead.


 46, 20.483,
108.553


 46, 20.483,
108.553


 100, 20.483,
108.553


 36, 20.483,
108.553

 66, 20.483,
108.553


 26, 20.483,
108.553

 76, 20.483,
108.553

 16, 20.483,
108.553

 86, 20.483,
108.553

 6, 20.483, 108.553

 96, 20.483,
108.553

 0, 20.483, 108.553

 46, 20.483,

 46, 20.483,

108.553

■ 46, 26.761,
107.704

■ 46, 32.782,
106.894

■ 45, 38.399,
106.155

■ 45, 43.401,
105.522

■ 45, 47.520,
105.036

■ 45, 50.485,
104.735

■ 45, 52.604,
104.542

108.553

■ 46, 14.053,
109.429

■ 47, 7.533, 110.304

■ 47, 0.969, 111.140

■ 47, 5.611, 292.031

■ 48, 12.184,
292.850

■ 48, 18.738,
293.640

■ 49, 25.260,
294.396

■ 49, 31.743,
295.115

■ 50, 38.180,

Harmonies

Complementary

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



46, 20.483, 108.553



34, 22.020, 294.774

Rectangle

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



46, 20.483, 108.553



46, 20.483, 158.553



46, 20.483, 288.553



46, 20.483, 338.553

Sweetspot

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



46, 20.484, 108.556



60, 7.355, 110.498



36, 15.744, 23.109



31, 5.150, 110.397



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, 20.484, 108.556



59, 30.605, 107.911



45, 22.081, 128.274



23, 3.717, 110.518



48, 55.486, 104.555



94, 94.769, 104.652

Inverse Universe

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



34, 22.020, 294.774



41, 33.608, 295.876



35, 22.982, 311.069



21, 3.793, 292.136



12, 76.389, 306.428



31, 130.637, 306.346

Previews

White Background



This preview shows how the CIELCh color 46, 20.483, 108.553 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, 20.483, 108.553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

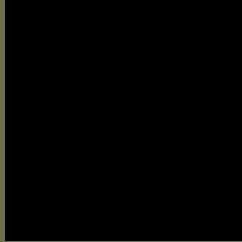
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

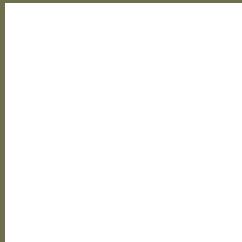
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 20.483, 108.553

Background



This preview shows how black text looks on a background with the CIELCh color 46, 20.483, 108.553.



This preview shows how white text looks on a background with the CIELCh color 46, 20.483, 108.553.

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

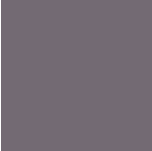
46, 20.483, 108.553

Protanopia

46, 20.396, 95.725

Deuteranopia

46, 19.400, 71.679



Tritanopia
46, 6.504, 324.822

Trichromacy



Original Color
46, 20.483, 108.553

Protanomaly
46, 20.633, 100.955

Deuteranomaly
46, 19.039, 86.550

Tritanomaly
46, 4.642, 82.556

Monochromacy



Original Color
46, 20.483, 108.553

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 7.708, 112.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 20.483, 108.553 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(110, 111, 76)` looks like.

```
.text, #text, p{  
    color:rgb(110, 111, 76)  
}
```

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(110, 111, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 111, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 20.483, 108.553 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(110, 111, 76) }
```

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

```
.border{ border-color:rgb(110, 111, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 111, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 111, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 111, 76);  
box-shadow:4px 4px 4px 4px rgb(110, 111,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 20.483, 108.553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 111, 76) }
```

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

```
.background{ background-color: rgb(110,  
111, 76) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor