

Converting Colors

CIELCh(46, 20.489, 195.159)

Have a look what the booklet for
CIELCh(46, 20.489, 195.159)
contains.

CIELCh(46, 20.409, 195.509)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 20.409, 195.509)

Conversions

Conversions Part 1

Format	Color
Hex	3A7675
RGB	58, 118, 117
RGB Percent	23%, 46%, 46%
CMY	0.7707, 0.5355, 0.5395
CMYK	0.51, 0.00, 0.01, 0.54
HSL	179°, 34%, 35%
HSV	179°, 51%, 46%
XYZ	11.5386, 15.2687, 19.3033
YIQ	99.9460, -35.4390, -13.0310

Conversions

Conversions Part 2

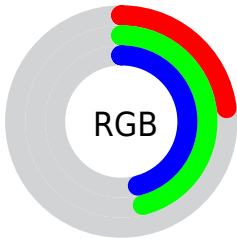
Format	Color
RYB	58, 88, 118
Decimal	3831413
CIELab	46.00, -19.67, -5.46
CIElCh	46, 20.409, 195.509
Yxy	15.2687, 0.2502, 0.3311
Android (android.graphics.Color)	4282021493 (0xFF3A7675)
YUV	99.9460, 8.4076, -36.7866
Hunter-Lab	39.0751, -15.6720, -1.9370

Details

The CIELCh color **46, 20.409, 195.509** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **32, 28.668, 23.583**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 20.369, 196.136**, and **26, 19.566, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **46, 23.152, 195.120**, and if you desaturate by 10%, it is **47, 17.156, 195.936**.

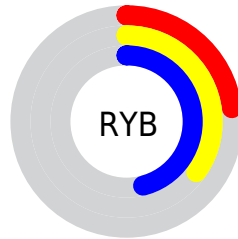
Distribution



Red (23%)

Green (46%)

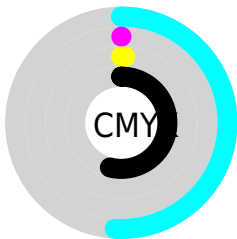
Blue (46%)



Red (23%)

Yellow (35%)

Blue (46%)

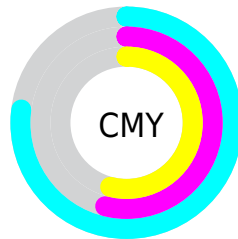


Cyan (51%)

Magenta (0%)

Yellow (1%)

Black (54%)



Cyan (77%)


Magenta (54%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 20.409, 195.509 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, 20.409, 195.509 by changing the saturation by 10% instead.


 46, 20.409,
195.509


 46, 20.409,
195.509


 100, 20.409,
195.509


 36, 20.409,
195.509

 66, 20.409,
195.509


 26, 20.409,
195.509

 76, 20.409,
195.509

 16, 20.409,
195.509

 86, 20.409,
195.509

 6, 20.409, 195.509

 96, 20.409,
195.509

 0, 20.409, 195.509

 46, 20.409,

 46, 20.409,

195.509

195.509

■ 46, 23.152,
195.120

■ 47, 17.156,
195.936

■ 45, 25.346,
194.774

■ 47, 13.450,
196.406

■ 45, 26.973,
194.464

■ 48, 9.360, 196.920

■ 45, 28.050,
194.186

■ 49, 4.955, 197.488

■ 50, 0.305, 199.202

■ 45, 28.778,
193.942

■ 51, 4.529, 18.473

■ 52, 9.490, 19.114

■ 53, 14.533, 19.737

■ 54, 19.619, 20.359

Harmonies

Complementary

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



46, 20.409, 195.509



32, 28.668, 23.583

Rectangle

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



46, 20.409, 195.509



46, 20.409, 245.509



46, 20.409, 15.509



46, 20.409, 65.509

Sweetspot

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



46, 20.409, 195.507



61, 8.512, 197.210



45, 42.113, 139.867



31, 5.747, 197.118



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, 20.409, 195.507



58, 28.410, 195.053



37, 19.741, 260.577



24, 2.609, 197.591



46, 29.465, 193.934



89, 49.991, 193.799

Inverse Universe

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



32, 28.668, 23.583



38, 43.723, 26.236



39, 23.433, 66.018



23, 2.750, 18.504



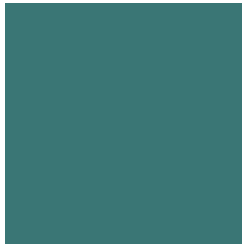
24, 58.571, 37.331



52, 102.317, 39.526

Previews

White Background



This preview shows how the CIELCh color 46, 20.409, 195.509 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, 20.409, 195.509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

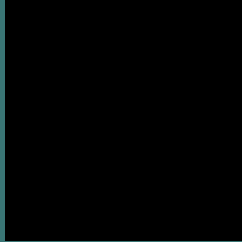
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 20.409, 195.509

Background



This preview shows how black text looks on a background with the CIELCh color 46, 20.409, 195.509.



This preview shows how white text looks on a background with the CIELCh color 46, 20.409, 195.509.

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, 20.409, 195.509

Protanopia

46, 1.974, 314.718

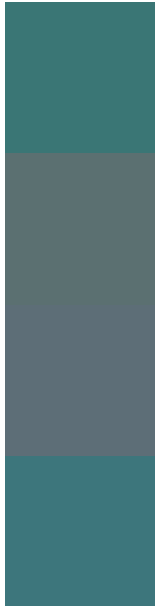
Deuteranopia

46, 9.528, 310.739



Tritanopia
46, 18.858, 216.136

Trichromacy



Original Color
46, 20.409, 195.509

Protanomaly
46, 8.121, 202.749

Deuteranomaly
45, 8.256, 239.549

Tritanomaly
46, 19.197, 208.243

Monochromacy



Original Color
46, 20.409, 195.509

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 8.634, 194.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 20.409, 195.509 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(58, 118, 117)` looks like.

```
.text, #text, p{  
    color:rgb(58, 118, 117)  
}
```

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(58, 118, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 118, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 20.409, 195.509 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(58, 118, 117) }
```

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

```
.border{ border-color:rgb(58, 118, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 118, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 118, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 118, 117);  
box-shadow:4px 4px 4px 4px rgb(58, 118,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 20.409, 195.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 118, 117) }
```

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

```
.background{ background-color: rgb(58, 118,  
117) }
```

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