

Converting Colors

CIELCh(46, 20.473, 125.411)

Have a look what the booklet for
CIELCh(46, 20.473, 125.411)
contains.

CIELCh(46, 20.420, 126.151)	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, 20.420, 126.151)

Conversions

Conversions Part 1

Format	Color
Hex	637251
RGB	99, 114, 81
RGB Percent	39%, 45%, 32%
CMY	0.6119, 0.5531, 0.6825
CMYK	0.13, 0.00, 0.29, 0.55
HSL	87°, 17%, 38%
HSV	87°, 29%, 45%
XYZ	12.6371, 15.2687, 10.0576
YIQ	105.7530, 1.6530, -13.4430

Conversions

Conversions Part 2

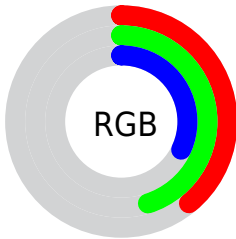
Format	Color
RYB	81, 114, 96
Decimal	6517329
CIELab	46.00, -12.05, 16.49
CIELCh	46, 20.420, 126.151
Yxy	15.2687, 0.3329, 0.4022
Android (android.graphics.Color)	4284707409 (0xFF637251)
YUV	105.7530, -12.2032, -5.9224
Hunter-Lab	39.0751, -10.6538, 12.0919

Details

The CIELCh color $46, 20.420, 126.151$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $37, 21.301, 308.876$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 20.274, 126.582$, and $26, 20.309, 125.989$ is the 20% darker color. If you saturate the color by 10%, you get $45, 27.341, 125.686$, and if you desaturate by 10%, it is $47, 13.394, 126.625$.

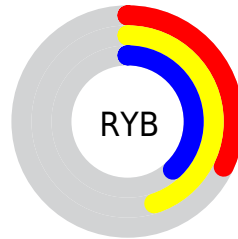
Distribution



Red (39%)

Green (45%)

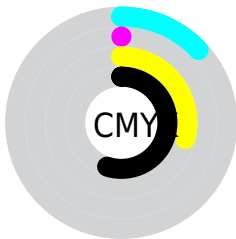
Blue (32%)



Red (32%)

Yellow (45%)

Blue (38%)

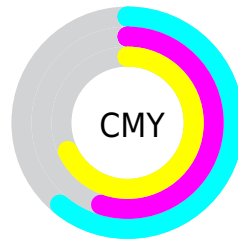


Cyan (13%)

Magenta (0%)

Yellow (29%)

Black (55%)



Cyan (61%)


Magenta (55%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 20.420, 126.151 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, 20.420, 126.151 by changing the saturation by 10% instead.


 46, 20.420,
126.151


 46, 20.420,
126.151


 100, 20.420,
126.151


 36, 20.420,
126.151

 66, 20.420,
126.151


 26, 20.420,
126.151

 76, 20.420,
126.151

 16, 20.420,
126.151

 86, 20.420,
126.151

 6, 20.420, 126.151

 96, 20.420,
126.151

 0, 20.420, 126.151

 46, 20.420,

 46, 20.420,

126.151

■ 45, 27.341,
125.686

■ 45, 34.058,
125.253

■ 44, 40.438,
124.900

■ 44, 46.290,
124.694

■ 44, 51.367,
124.728

■ 43, 55.388,
125.110

■ 43, 58.605,
125.702

■ 43, 58.949,
125.749

126.151

■ 47, 13.394,
126.625

■ 47, 6.324, 127.088

■ 48, 0.741, 307.419

■ 49, 7.768, 307.906

■ 50, 14.732,
308.283

■ 51, 21.615,
308.626

■ 52, 28.406,
308.936

■ 53, 35.094,
309.217

■ 54, 41.675,

Harmonies

Complementary

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



46, 20.420, 126.151



37, 21.301, 308.876

Rectangle

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



46, 20.420, 126.151



46, 20.420, 176.151



46, 20.420, 306.151



46, 20.420, 356.151

Sweetspot

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



46, 20.421, 126.153



60, 7.867, 127.075



42, 12.211, 66.656



31, 5.433, 127.023



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, 20.421, 126.153



58, 30.470, 125.827



45, 23.610, 141.354



23, 3.920, 127.087



45, 61.157, 125.838



88, 105.316, 126.762

Inverse Universe

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



37, 21.301, 308.876



45, 32.144, 309.263



39, 23.674, 324.500



21, 3.974, 307.855



16, 71.787, 311.337



38, 123.385, 310.713

Previews

White Background



This preview shows how the CIELCh color 46, 20.420, 126.151 looks on a white background.

Color Contrast Check

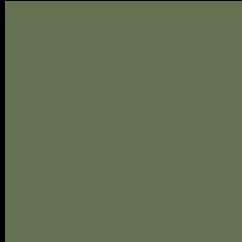
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.420, 126.151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

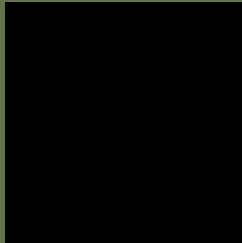
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

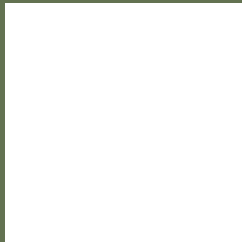
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 20.420, 126.151

Background



This preview shows how black text looks on a background with the CIELCh color 46, 20.420, 126.151.



This preview shows how white text looks on a background with the CIELCh color 46, 20.420, 126.151.

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, 20.420, 126.151

Protanopia

46, 18.025, 96.113

Deuteranopia

46, 16.685, 67.723



Tritanopia
46, 5.658, 270.718

Trichromacy



Original Color
46, 20.420, 126.151

Protanomaly
46, 18.184, 109.026

Deuteranomaly
46, 15.879, 93.265

Tritanomaly
46, 5.150, 155.160

Monochromacy



Original Color
46, 20.420, 126.151

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 7.572, 128.618

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 20.420, 126.151 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(99, 114, 81)` looks like.

```
.text, #text, p{  
    color:rgb(99, 114, 81)  
}
```

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(99, 114, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 114, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 20.420, 126.151 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(99, 114, 81) }
```

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

```
.border{ border-color:rgb(99, 114, 81) }
```

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

Here you see how a box with a 4 pixel rgb(99, 114, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 114, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 114, 81);  
box-shadow:4px 4px 4px 4px rgb(99, 114,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 20.420, 126.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 114, 81) }
```

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

```
.background{ background-color: rgb(99, 114,  
81) }
```

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