

Converting Colors

CIELCh(46, 21.123, 220.380)

Have a look what the booklet for
CIELCh(46, 21.123, 220.380)
contains.

CIELCh(46, 21.121, 219.125)	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, 21.121, 219.125)

Conversions

Conversions Part 1

Format	Color
Hex	367683
RGB	54, 118, 131
RGB Percent	21%, 46%, 51%
CMY	0.7899, 0.5387, 0.4878
CMYK	0.59, 0.10, 0.00, 0.49
HSL	190°, 42%, 36%
HSV	190°, 59%, 51%
XYZ	12.0034, 15.2687, 23.6508
YIQ	100.3460, -42.3170, -9.5250

Conversions

Conversions Part 2

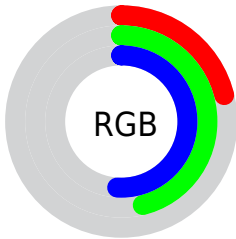
Format	Color
RYB	54, 89, 131
Decimal	3569283
CIELab	46.00, -16.39, -13.33
CIELCh	46, 21.121, 219.125
Yxy	15.2687, 0.2357, 0.2998
Android (android.graphics.Color)	4281759363 (0xFF367683)
YUV	100.3460, 15.1124, -40.6454
Hunter-Lab	39.0751, -13.5486, -8.5335




Details

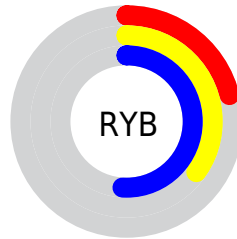
The CIELCh color **46, 21.121, 219.125** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **36, 33.107, 37.799**, and the grayscale version is **42, 0.006, 296.813**.




A 20% lighter version of the original color is **66, 21.132, 219.627**, and **26, 19.134, 223.725** is the 20% darker color. If you saturate the color by 10%, you get **45, 23.207, 220.552**, and if you desaturate by 10%, it is **47, 18.512, 218.041**.

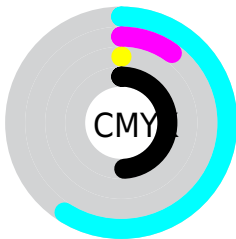
Distribution







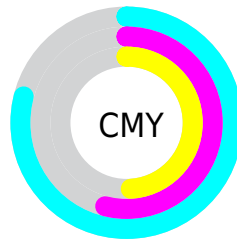
-  Red (21%)
-  Green (46%)
-  Blue (51%)






-  Red (21%)
-  Yellow (35%)
-  Blue (51%)



-  Cyan (59%)
-  Magenta (10%)
-  Yellow (0%)
-  Black (49%)





-  Cyan (79%)
-  Magenta (54%)
-  Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 21.121, 219.125 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, 21.121, 219.125 by changing the saturation by 10% instead.


 46, 21.121,
219.125


 46, 21.121,
219.125


 100, 21.121,
219.125


 36, 21.121,
219.125

 66, 21.121,
219.125


 26, 21.121,
219.125


 76, 21.121,
219.125

 16, 21.121,
219.125

 86, 21.121,
219.125

 6, 21.121, 219.125

 96, 21.121,
219.125

 0, 21.121, 219.125

 46, 21.121,

 46, 21.121,

219.125

■ 45, 23.207,
220.552

■ 44, 24.752,
222.393

■ 43, 25.770,
224.709

■ 42, 26.433,
227.400

■ 42, 26.502,
227.672

219.125

■ 47, 18.512,
218.041

■ 49, 15.426,
217.243

■ 50, 11.923,
216.680

■ 52, 8.066, 216.310

■ 53, 3.920, 216.124

■ 55, 0.456, 35.016

■ 57, 5.009, 35.785

■ 58, 9.697, 35.861

■ 60, 14.480, 35.964

Harmonies

Complementary

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



46, 21.121, 219.125



36, 33.107, 37.799

Rectangle

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



46, 21.121, 219.125



46, 21.121, 269.125



46, 21.121, 39.125



46, 21.121, 89.125

Sweetspot

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



46, 21.121, 219.123



66, 9.544, 216.295



49, 47.199, 144.114



34, 6.633, 216.370



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



46, 21.121, 219.123



58, 29.011, 221.179



34, 32.588, 282.153



27, 2.493, 216.125



42, 26.419, 227.657



0, 0.611, 215.924

Inverse Universe

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



35, 46.652, 333.100



43, 66.232, 334.012



46, 32.569, 83.512



26, 4.691, 329.961



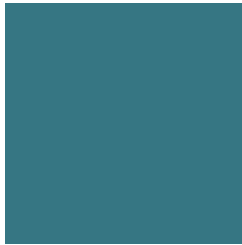
29, 61.708, 336.033



0, 1.117, 329.455

Previews

White Background



This preview shows how the CIE LCh color 46, 21.121, 219.125 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, 21.121, 219.125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

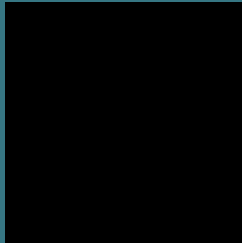
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

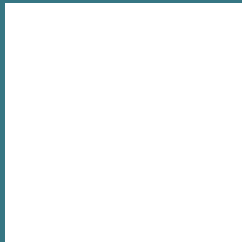
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 21.121, 219.125

Background



This preview shows how black text looks on a background with the CIELCh color 46, 21.121, 219.125.



This preview shows how white text looks on a background with the CIELCh color 46, 21.121, 219.125.

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, 21.121, 219.125

Protanopia

46, 9.533, 286.876

Deuteranopia

46, 16.089, 292.379



Tritanopia
46, 21.318, 213.686

Trichromacy



Original Color
46, 21.121, 219.125

Protanomaly
45, 12.224, 245.984

Deuteranomaly
45, 15.129, 259.467

Tritanomaly
46, 21.165, 215.554

Monochromacy



Original Color
46, 21.121, 219.125

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 9.159, 217.740

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 21.121, 219.125 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(54, 118, 131)` looks like.

```
.text, #text, p{  
    color:rgb(54, 118, 131)  
}
```

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(54, 118, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 118, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 21.121, 219.125 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(54, 118, 131) }
```

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

```
.border{ border-color:rgb(54, 118, 131) }
```

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

Here you see how a box with a 4 pixel rgb(54, 118, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 118, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 118, 131);  
box-shadow:4px 4px 4px 4px rgb(54, 118,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 21.121, 219.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 118, 131) }
```

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

```
.background{ background-color: rgb(54, 118,  
131) }
```

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