

Converting Colors

CIELCh(46, 69.616, 20.919)

Have a look what the booklet for
CIELCh(46, 69.616, 20.919) contains.

CIELCh(46, 69.613, 21.135)	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, 69.613, 21.135)

Conversions

Conversions Part 1

Format	Color
Hex	D02647
RGB	208, 38, 71
RGB Percent	82%, 15%, 28%
CMY	0.1840, 0.8505, 0.7214
CMYK	0.00, 0.82, 0.66, 0.18
HSL	348°, 69%, 48%
HSV	348°, 82%, 82%
XYZ	27.8687, 15.2687, 7.4486
YIQ	92.5920, 90.7270, 46.3030

Conversions

Conversions Part 2

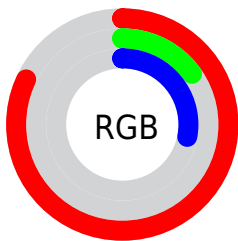
Format	Color
RYB	208, 38, 71
Decimal	13641287
CIELab	46.00, 64.93, 25.10
CIElCh	46, 69.613, 21.135
Yxy	15.2687, 0.5509, 0.3018
Android (android.graphics.Color)	4291831367 (0xFFD02647)
YUV	92.5920, -10.6449, 101.2128
Hunter-Lab	39.0751, 58.9261, 16.0506

Details

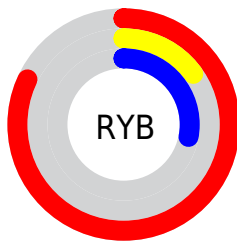
The CIELCh color **46, 69.613, 21.135** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **75, 48.859, 174.480**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 63.157, 19.701**, and **30, 61.066, 28.950** is the 20% darker color. If you saturate the color by 10%, you get **44, 75.792, 26.070**, and if you desaturate by 10%, it is **49, 62.380, 16.996**.

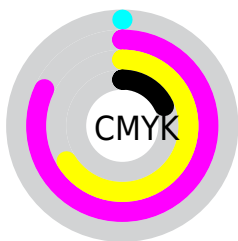
Distribution



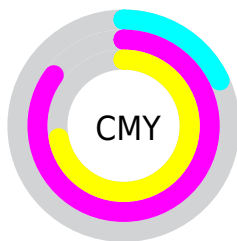
- Red (82%)
- Green (15%)
- Blue (28%)



- Red (82%)
- Yellow (15%)
- Blue (28%)



- Cyan (0%)
- Magenta (82%)
- Yellow (66%)
- Black (18%)



- Cyan (18%)
- Magenta (85%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 69.613, 21.135 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, 69.613, 21.135 by changing the saturation by 10% instead.

 46, 69.613, 21.135

 46, 69.613, 21.135

 100, 69.613,
21.135

 36, 69.613, 21.135

 66, 69.613, 21.135

 26, 69.613, 21.135

 76, 69.613, 21.135

 16, 69.613, 21.135

 86, 69.613, 21.135

 6, 69.613, 21.135

 96, 69.613, 21.135

 0, 69.613, 21.135

 46, 69.613, 21.135

 46, 69.613, 21.135

 44, 75.792, 26.070

 49, 62.380, 16.996

 44, 80.383, 30.383

 52, 54.194, 13.675

■ 56, 45.340, 11.051

■ 61, 36.175, 8.972

■ 66, 27.011, 7.302

■ 71, 18.072, 5.933

■ 77, 9.492, 4.776

■ 83, 1.335, 3.478

■ 88, 6.383, 183.130

Harmonies

Complementary

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



46, 69.613, 21.135



75, 48.859, 174.480

Rectangle

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



46, 69.613, 21.135



46, 69.613, 71.135



46, 69.613, 201.135



46, 69.613, 251.135

Sweetspot

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



46, 69.610, 21.137



83, 24.787, 6.398



46, 93.983, 321.308



42, 17.047, 6.888



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 69.610, 21.137



54, 93.041, 30.049



53, 67.209, 48.630



41, 4.600, 4.530



35, 68.107, 29.501



4, 20.200, 10.490

Inverse Universe

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



46, 69.610, 21.137



54, 93.041, 30.049



61, 37.795, 247.957



41, 4.600, 4.530



35, 68.107, 29.501



4, 20.200, 10.490

Previews

White Background



This preview shows how the CIELCh color 46, 69.613, 21.135 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 CIE LCh color 46, 69.613, 21.135 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, 69.613, 21.135

Background



This preview shows how black text looks on a background with the CIELCh color 46, 69.613, 21.135.



This preview shows how white text looks on a background with the CIELCh color 46, 69.613, 21.135.

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, 69.613, 21.135

Protanopia

46, 6.707, 94.582

Deuteranopia

46, 29.046, 78.177



Tritanopia
46, 73.950, 33.104

Trichromacy



Original Color
46, 69.613, 21.135

Protanomaly
43, 28.518, 17.849

Deuteranomaly
44, 40.007, 37.817

Tritanomaly
46, 71.995, 29.226

Monochromacy



Original Color
46, 69.613, 21.135

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 28.111, 9.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 69.613, 21.135 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(208, 38, 71)` looks like.

```
.text, #text, p{  
    color:rgb(208, 38, 71)  
}
```

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(208, 38, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 38, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 69.613, 21.135 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(208, 38, 71) }
```

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

```
.border{ border-color:rgb(208, 38, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 38, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 38, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 38, 71);  
box-shadow:4px 4px 4px 4px rgb(208, 38,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 69.613, 21.135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 38, 71) }
```

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

```
.background{ background-color: rgb(208, 38,  
71) }
```

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