

Converting Colors

CIELCh(46, 57.474, 29.064)

Have a look what the booklet for
CIELCh(46, 57.474, 29.064) contains.

CIELCh(46, 57.673, 29.073)	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, 57.673, 29.073)

Conversions

Conversions Part 1

Format	Color
Hex	BF4141
RGB	191, 65, 65
RGB Percent	75%, 25%, 25%
CMY	0.2505, 0.7446, 0.7447
CMYK	0.00, 0.66, 0.66, 0.25
HSL	0°, 50%, 50%
HSV	0°, 66%, 75%
XYZ	24.3706, 15.2687, 6.6779
YIQ	102.6740, 75.0960, 26.7120

Conversions

Conversions Part 2

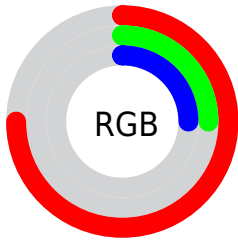
Format	Color
RYB	191, 65, 65
Decimal	12534081
CIELab	46.00, 50.41, 28.02
CIELCh	46, 57.673, 29.073
Yxy	15.2687, 0.5262, 0.3297
Android (android.graphics.Color)	4290724161 (0xFFBF4141)
YUV	102.6740, -18.5733, 77.4619
Hunter-Lab	39.0751, 42.9462, 17.2201

Details

The CIELCh color **46, 57.673, 29.073** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **71, 35.130, 196.784**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 57.832, 28.974**, and **26, 57.010, 30.095** is the 20% darker color. If you saturate the color by 10%, you get **43, 67.050, 32.336**, and if you desaturate by 10%, it is **50, 47.980, 26.395**.

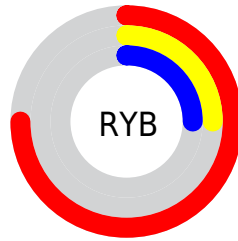
Distribution



Red (75%)

Green (25%)

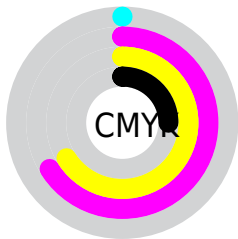
Blue (25%)



Red (75%)

Yellow (25%)

Blue (25%)

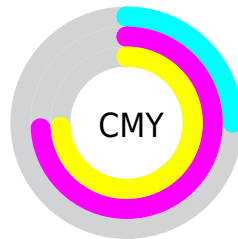


Cyan (0%)

Magenta (66%)

Yellow (66%)

Black (25%)



Cyan (25%)

Magenta (74%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 57.673, 29.073 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, 57.673, 29.073 by changing the saturation by 10% instead.

 46, 57.673, 29.073

 46, 57.673, 29.073

 100, 57.673,
29.073

 36, 57.673, 29.073

 66, 57.673, 29.073

 26, 57.673, 29.073

 76, 57.673, 29.073

 16, 57.673, 29.073

 86, 57.673, 29.073

 6, 57.673, 29.073

 96, 57.673, 29.073

 0, 57.673, 29.073

 46, 57.673, 29.073

 46, 57.673, 29.073

 43, 67.050, 32.336

 50, 47.980, 26.395

 41, 75.534, 35.891

 54, 38.345, 24.293

40, 81.896, 38.880

59, 29.029, 22.676

40, 84.185, 40.002

64, 20.200, 21.435

69, 11.944, 20.471

74, 4.281, 19.660

80, 2.810, 199.404

85, 9.370, 198.821

91, 15.453,
198.440

Harmonies

Complementary

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



46, 57.673, 29.073



71, 35.130, 196.784

Rectangle

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



46, 57.673, 29.073



46, 57.673, 79.073



46, 57.673, 209.073



46, 57.673, 259.073

Sweetspot

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



46, 57.670, 29.076



84, 18.793, 20.865



50, 77.126, 327.634



43, 13.068, 21.143



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



46, 57.670, 29.076



55, 86.016, 33.865



59, 46.986, 67.103



37, 4.095, 19.935



32, 72.800, 39.667



3, 12.250, 19.417

Inverse Universe

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



71, 35.130, 196.784



89, 46.625, 196.551



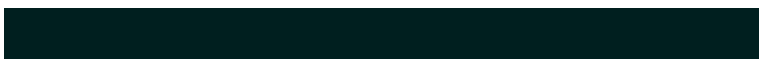
52, 38.943, 269.887



39, 3.862, 199.001



59, 35.049, 196.419



9, 11.660, 196.765

Previews

White Background



This preview shows how the CIELCh color 46, 57.673, 29.073 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, 57.673, 29.073 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, 57.673, 29.073

Background



This preview shows how black text looks on a background with the CIELCh color 46, 57.673, 29.073.



This preview shows how white text looks on a background with the CIELCh color 46, 57.673, 29.073.

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, 57.673, 29.073

Protanopia

46, 16.763, 97.082

Deuteranopia

46, 31.084, 79.659



Tritanopia
46, 57.013, 27.467

Trichromacy



Original Color
46, 57.673, 29.073

Protanomaly
45, 26.110, 45.698

Deuteranomaly
45, 36.808, 49.657

Tritanomaly
46, 57.227, 28.008

Monochromacy



Original Color
46, 57.673, 29.073

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 20.521, 22.279

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 57.673, 29.073 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(191, 65, 65)` looks like.

```
.text, #text, p{  
    color:rgb(191, 65, 65)  
}
```

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(191, 65, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 65, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 57.673, 29.073 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(191, 65, 65) }
```

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

```
.border{ border-color:rgb(191, 65, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 65, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 65, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 65, 65);  
box-shadow:4px 4px 4px 4px rgb(191, 65,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 57.673, 29.073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 65, 65) }
```

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

```
.background{ background-color: rgb(191, 65,  
65) }
```

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](#).

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