

Converting Colors

CIELCh(46, 57.833, 14.265)

Have a look what the booklet for
CIELCh(46, 57.833, 14.265) contains.

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Color

CIELCh(46, 57.856, 14.382)

Conversions

Conversions Part 1

Format	Color
Hex	C33A58
RGB	195, 58, 88
RGB Percent	76%, 23%, 35%
CMY	0.2363, 0.7735, 0.6557
CMYK	0.00, 0.70, 0.55, 0.24
HSL	347°, 54%, 50%
HSV	347°, 70%, 76%
XYZ	25.6911, 15.2687, 10.7810
YIQ	102.3830, 72.0220, 38.3740

Conversions

Conversions Part 2

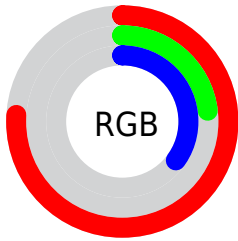
Format	Color
R_{YB}	195, 58, 88
Decimal	12794456
CIE _{Lab}	46.00, 56.04, 14.37
CIE _{LCh}	46, 57.856, 14.382
Yxy	15.2687, 0.4965, 0.2951
Android (android.graphics.Color)	4290984536 (0xFFC33A58)
YUV	102.3830, -7.0908, 81.2251
Hunter-Lab	39.0751, 48.9784, 10.9942

Details

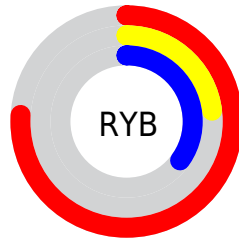
The CIELCh color **46, 57.856, 14.382** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **71, 43.698, 173.982**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 57.414, 13.904**, and **28, 53.829, 17.814** is the 20% darker color. If you saturate the color by 10%, you get **43, 64.585, 18.331**, and if you desaturate by 10%, it is **49, 50.173, 11.240**.

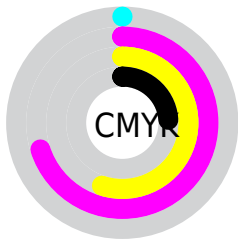
Distribution



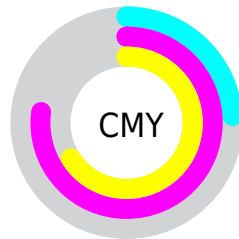
- Red (76%)
- Green (23%)
- Blue (35%)



- Red (76%)
- Yellow (23%)
- Blue (35%)



- Cyan (0%)
- Magenta (70%)
- Yellow (55%)
- Black (24%)



- Cyan (24%)
- Magenta (77%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 57.856, 14.382 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, 57.856, 14.382 by changing the saturation by 10% instead.

 46, 57.856, 14.382  46, 57.856, 14.382

 100, 57.856,
14.382  36, 57.856, 14.382

 66, 57.856, 14.382  26, 57.856, 14.382

 76, 57.856, 14.382  16, 57.856, 14.382

 86, 57.856, 14.382  6, 57.856, 14.382

 96, 57.856, 14.382  0, 57.856, 14.382

 46, 57.856, 14.382  46, 57.856, 14.382

 43, 64.585, 18.331  49, 50.173, 11.240

 42, 70.258, 23.127  53, 41.845, 8.755

41, 75.063, 28.189

58, 33.213, 6.776

63, 24.572, 5.172

68, 16.129, 3.844

73, 8.005, 2.706

79, 0.263, 359.943

84, 7.082, 181.071

90, 14.037,
180.314

Harmonies

Complementary

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



46, 57.856, 14.382



71, 43.698, 173.982

Rectangle

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



46, 57.856, 14.382



46, 57.856, 64.382



46, 57.856, 194.382



46, 57.856, 244.382

Sweetspot

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



46, 57.853, 14.384



85, 20.601, 3.965



45, 80.975, 320.310



44, 14.146, 4.322



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, 57.853, 14.384



55, 82.094, 20.612



52, 54.230, 46.182



38, 4.360, 2.601



33, 64.635, 27.317



3, 14.342, 7.610

Inverse Universe

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



46, 57.853, 14.384



55, 82.094, 20.612



61, 32.124, 237.936



38, 4.360, 2.601



33, 64.635, 27.317



3, 14.342, 7.610

Previews

White Background



This preview shows how the CIELCh color 46, 57.856, 14.382 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, 57.856, 14.382 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, 57.856, 14.382

Background



This preview shows how black text looks on a background with the CIELCh color 46, 57.856, 14.382.

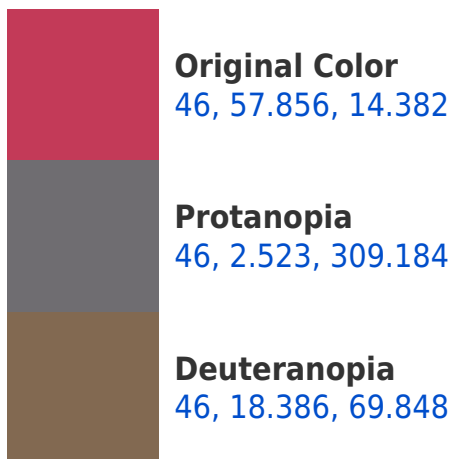


This preview shows how white text looks on a background with the CIELCh color 46, 57.856, 14.382.

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





Tritanopia
46, 59.513, 27.698

Trichromacy



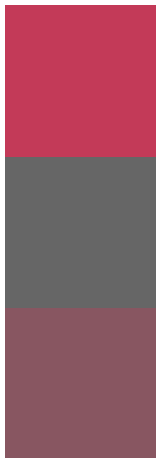
Original Color
46, 57.856, 14.382

Protanomaly
44, 23.026, 1.853

Deuteranomaly
45, 30.417, 29.002

Tritanomaly
46, 58.532, 22.766

Monochromacy



Original Color
46, 57.856, 14.382

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 22.430, 5.944

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 57.856, 14.382 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(195, 58, 88)` looks like.

```
.text, #text, p{  
    color:rgb(195, 58, 88)  
}
```

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(195, 58, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 58, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 57.856, 14.382 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(195, 58, 88) }
```

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

```
.border{ border-color:rgb(195, 58, 88) }
```

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

Here you see how a box with a 4 pixel rgb(195, 58, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 58, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 58, 88);  
box-shadow:4px 4px 4px 4px rgb(195, 58,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 57.856, 14.382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 58, 88) }
```

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

```
.background{ background-color: rgb(195, 58,  
88) }
```

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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