

Converting Colors

CIELCh(46, 57.557, 10.770)

Have a look what the booklet for
CIELCh(46, 57.557, 10.770) contains.

CIELCh(46, 57.542, 10.423)	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, 57.542, 10.423)

Conversions

Conversions Part 1

Format	Color
Hex	C2395E
RGB	194, 57, 94
RGB Percent	76%, 22%, 37%
CMY	0.2382, 0.7754, 0.6305
CMYK	0.00, 0.71, 0.52, 0.24
HSL	344°, 54%, 49%
HSV	344°, 71%, 76%
XYZ	25.8223, 15.2687, 12.2256
YIQ	102.1810, 69.7750, 40.5510

Conversions

Conversions Part 2

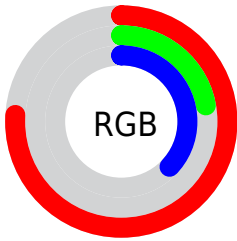
Format	Color
RYB	194, 57, 94
Decimal	12728670
CIELab	46.00, 56.59, 10.41
CIELCh	46, 57.542, 10.423
Yxy	15.2687, 0.4843, 0.2864
Android (android.graphics.Color)	4290918750 (0xFFC2395E)
YUV	102.1810, -4.0332, 80.5253
Hunter-Lab	39.0751, 49.5780, 8.8024

Details

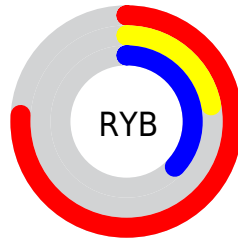
The CIELCh color **46, 57.542, 10.423** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **71, 45.879, 169.821**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 57.694, 10.315**, and **28, 53.202, 14.385** is the 20% darker color. If you saturate the color by 10%, you get **43, 63.724, 14.254**, and if you desaturate by 10%, it is **49, 50.243, 7.392**.

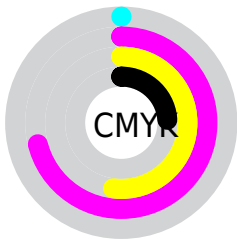
Distribution



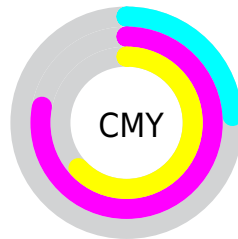
- Red (76%)
- Green (22%)
- Blue (37%)



- Red (76%)
- Yellow (22%)
- Blue (37%)



- Cyan (0%)
- Magenta (71%)
- Yellow (52%)
- Black (24%)



- Cyan (24%)
- Magenta (78%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 57.542, 10.423 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, 57.542, 10.423 by changing the saturation by 10% instead.

 46, 57.542, 10.423

 46, 57.542, 10.423

 100, 57.542,
10.423

 36, 57.542, 10.423

 66, 57.542, 10.423

 26, 57.542, 10.423

 76, 57.542, 10.423

 16, 57.542, 10.423

 86, 57.542, 10.423

 6, 57.542, 10.423

 96, 57.542, 10.423

 0, 57.542, 10.423

 46, 57.542, 10.423

 46, 57.542, 10.423

 43, 63.724, 14.254

 49, 50.243, 7.392

 42, 68.690, 18.978

 53, 42.155, 4.992

41, 72.683, 24.017

58, 33.644, 3.068

63, 25.028, 1.496

68, 16.533, 0.182

73, 8.300, 359.046

78, 0.405, 356.967

84, 7.126, 177.375

89, 14.290,
176.597

Harmonies

Complementary

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



46, 57.542, 10.423



71, 45.879, 169.821

Rectangle

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



46, 57.542, 10.423



46, 57.542, 60.423



46, 57.542, 190.423



46, 57.542, 240.423

Sweetspot

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



46, 57.539, 10.425



85, 20.964, 0.281



44, 80.946, 318.763



44, 14.381, 0.634



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, 57.539, 10.425



55, 81.298, 16.895



50, 55.683, 42.535



38, 4.453, 358.921



33, 62.788, 23.131



3, 14.503, 5.014

Inverse Universe

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



46, 57.539, 10.425



55, 81.298, 16.895



63, 31.712, 229.376



38, 4.453, 358.921



33, 62.788, 23.131



3, 14.503, 5.014

Previews

White Background



This preview shows how the CIELCh color 46, 57.542, 10.423 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, 57.542, 10.423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

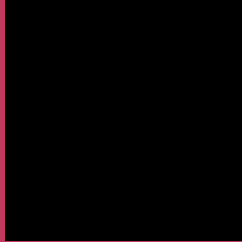
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 57.542, 10.423

Background



This preview shows how black text looks on a background with the CIELCh color 46, 57.542, 10.423.

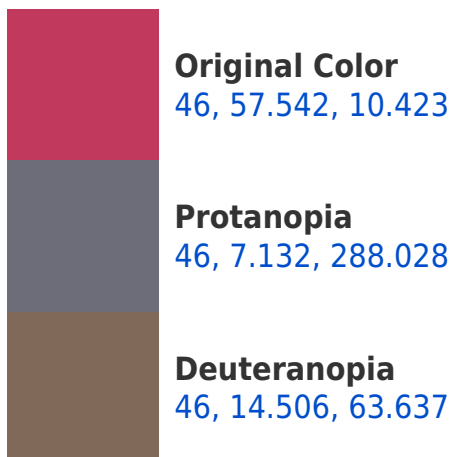


This preview shows how white text looks on a background with the CIELCh color 46, 57.542, 10.423.

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, 58.613, 27.439

Trichromacy



Original Color
46, 57.542, 10.423

Protanomaly
44, 23.632, 351.231

Deuteranomaly
45, 28.530, 21.182

Tritanomaly
46, 57.370, 21.278

Monochromacy



Original Color
46, 57.542, 10.423

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 22.642, 2.983

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 57.542, 10.423 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(194, 57, 94)` looks like.

```
.text, #text, p{  
    color:rgb(194, 57, 94)  
}
```

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(194, 57, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 57, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 57.542, 10.423 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(194, 57, 94) }
```

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

```
.border{ border-color:rgb(194, 57, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 57, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 57, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 57, 94);  
box-shadow:4px 4px 4px 4px rgb(194, 57,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 57.542, 10.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 57, 94) }
```

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

```
.background{ background-color: rgb(194, 57,  
94) }
```

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