

Converting Colors

CIELCh(46, 64.128, 16.730)

Have a look what the booklet for
CIELCh(46, 64.128, 16.730) contains.

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Color

CIELCh(46, 64.023, 16.358)

Conversions

Conversions Part 1

Format	Color
Hex	CA2F52
RGB	202, 47, 82
RGB Percent	79%, 18%, 32%
CMY	0.2067, 0.8144, 0.6776
CMYK	0.00, 0.77, 0.59, 0.21
HSL	346°, 62%, 49%
HSV	346°, 77%, 79%
XYZ	26.9973, 15.2687, 9.5514
YIQ	97.3350, 81.1450, 43.7450

Conversions

Conversions Part 2

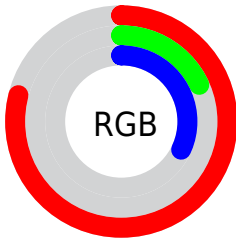
Format	Color
RYB	202, 47, 82
Decimal	13250386
CIELab	46.00, 61.43, 18.03
CIElCh	46, 64.023, 16.358
Yxy	15.2687, 0.5210, 0.2947
Android (android.graphics.Color)	4291440466 (0xFFCA2F52)
YUV	97.3350, -7.5602, 91.7912
Hunter-Lab	39.0751, 54.9452, 12.8600

Details

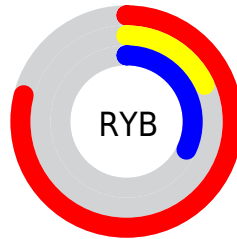
The CIELCh color **46, 64.023, 16.358** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **73, 47.705, 172.475**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 60.391, 15.265**, and **29, 56.836, 22.440** is the 20% darker color. If you saturate the color by 10%, you get **44, 70.176, 20.866**, and if you desaturate by 10%, it is **49, 56.760, 12.715**.

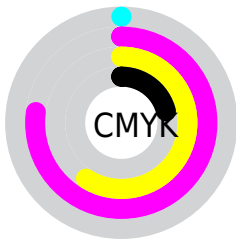
Distribution



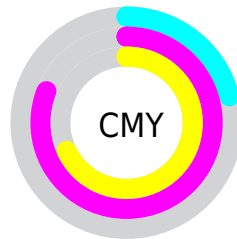
- Red (79%)
- Green (18%)
- Blue (32%)



- Red (79%)
- Yellow (18%)
- Blue (32%)



- Cyan (0%)
- Magenta (77%)
- Yellow (59%)
- Black (21%)



- Cyan (21%)
- Magenta (81%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 64.023, 16.358 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, 64.023, 16.358 by changing the saturation by 10% instead.

 46, 64.023, 16.358

 46, 64.023, 16.358

 100, 64.023,
16.358

 36, 64.023, 16.358

 66, 64.023, 16.358

 26, 64.023, 16.358

 76, 64.023, 16.358

 16, 64.023, 16.358

 86, 64.023, 16.358

 6, 64.023, 16.358

 96, 64.023, 16.358

 0, 64.023, 16.358

 46, 64.023, 16.358

 46, 64.023, 16.358

 44, 70.176, 20.866

 49, 56.760, 12.715

 43, 75.316, 26.126

 53, 48.597, 9.829

42, 77.036, 27.881

57, 39.878, 7.545

62, 30.951, 5.715

67, 22.093, 4.221

72, 13.487, 2.971

78, 5.235, 1.866

83, 2.617, 181.256

89, 10.062,
180.326

Harmonies

Complementary

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



46, 64.023, 16.358



73, 47.705, 172.475

Rectangle

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



46, 64.023, 16.358



46, 64.023, 66.358



46, 64.023, 196.358



46, 64.023, 246.358

Sweetspot

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



46, 64.020, 16.360



85, 22.891, 3.787



45, 88.611, 320.307



43, 15.966, 4.272



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, 64.020, 16.360



54, 87.722, 24.307



52, 61.973, 46.342



40, 4.559, 2.171



34, 65.981, 27.004



4, 18.287, 8.460

Inverse Universe

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



46, 64.020, 16.360



54, 87.722, 24.307



62, 34.741, 240.046



40, 4.559, 2.171



34, 65.981, 27.004



4, 18.287, 8.460

Previews

White Background



This preview shows how the CIELCh color 46, 64.023, 16.358 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, 64.023, 16.358 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, 64.023, 16.358

Background



This preview shows how black text looks on a background with the CIELCh color 46, 64.023, 16.358.



This preview shows how white text looks on a background with the CIELCh color 46, 64.023, 16.358.

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, 67.159, 30.758

Trichromacy



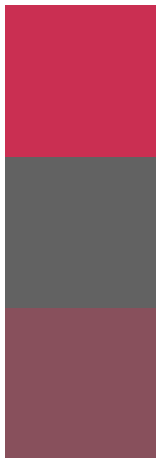
Original Color
46, 64.023, 16.358

Protanomaly
44, 25.550, 4.524

Deuteranomaly
44, 34.083, 29.995

Tritanomaly
46, 65.317, 25.683

Monochromacy



Original Color
46, 64.023, 16.358

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 25.260, 7.095

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 64.023, 16.358 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(202, 47, 82)` looks like.

```
.text, #text, p{  
    color:rgb(202, 47, 82)  
}
```

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(202, 47, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 47, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 64.023, 16.358 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(202, 47, 82) }
```

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

```
.border{ border-color:rgb(202, 47, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 47, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 47, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 47, 82);  
box-shadow:4px 4px 4px 4px rgb(202, 47,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 64.023, 16.358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 47, 82) }
```

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

```
.background{ background-color: rgb(202, 47,  
82) }
```

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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