

Converting Colors

CIELCh(46, 66.970, 5.502)

Have a look what the booklet for
CIELCh(46, 66.970, 5.502) contains.

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Color

CIELCh(46, 66.886, 5.431)

Conversions

Conversions Part 1

Format	Color
Hex	CD2565
RGB	205, 37, 101
RGB Percent	80%, 15%, 40%
CMY	0.1946, 0.8568, 0.6028
CMYK	0.00, 0.82, 0.51, 0.19
HSL	337°, 70%, 47%
HSV	337°, 82%, 81%
XYZ	28.2874, 15.2687, 13.8428
YIQ	94.5280, 79.5840, 55.5200

Conversions

Conversions Part 2

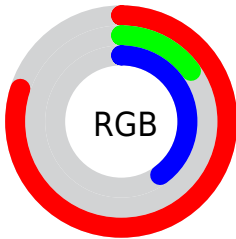
Format	Color
R_{YB}	205, 37, 101
Decimal	13444453
CIE _{Lab}	46.00, 66.59, 6.33
CIE _{LCh}	46, 66.886, 5.431
Yxy	15.2687, 0.4928, 0.2660
Android (android.graphics.Color)	4291634533 (0xFFCD2565)
YUV	94.5280, 3.1907, 96.8839
Hunter-Lab	39.0751, 60.8389, 6.3485

Details

The CIELCh color **46, 66.886, 5.431** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **74, 59.652, 159.510**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 62.924, 2.909**, and **30, 55.471, 12.247** is the 20% darker color. If you saturate the color by 10%, you get **44, 70.381, 9.785**, and if you desaturate by 10%, it is **48, 61.691, 1.973**.

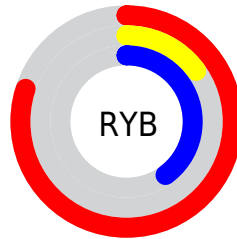
Distribution



Red (80%)

Green (15%)

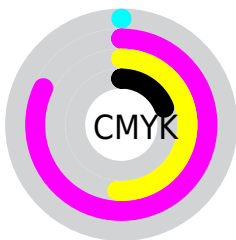
Blue (40%)



Red (80%)

Yellow (15%)

Blue (40%)

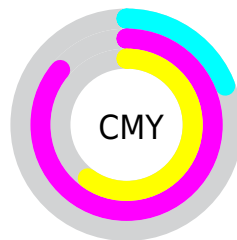


Cyan (0%)

Magenta (82%)

Yellow (51%)

Black (19%)



Cyan (19%)

Magenta (86%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 66.886, 5.431 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, 66.886, 5.431 by changing the saturation by 10% instead.

 46, 66.886, 5.431  46, 66.886, 5.431

 100, 66.886, 5.431  36, 66.886, 5.431

 66, 66.886, 5.431  26, 66.886, 5.431


 76, 66.886, 5.431  16, 66.886, 5.431

 86, 66.886, 5.431  6, 66.886, 5.431

 96, 66.886, 5.431  0, 66.886, 5.431

 46, 66.886, 5.431  46, 66.886, 5.431

 44, 70.381, 9.785  48, 61.691, 1.973

 44, 72.356, 13.678  52, 54.910,
359.248

56, 46.911,
357.081

60, 38.144,
355.322

65, 29.009,
353.861

70, 19.807,
352.618

76, 10.738,
351.528

81, 1.923, 350.391

87, 6.578, 169.859

Harmonies

Complementary

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



46, 66.886, 5.431



74, 59.652, 159.510

Rectangle

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



46, 66.886, 5.431



46, 66.886, 55.431



46, 66.886, 185.431



46, 66.886, 235.431

Sweetspot

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



46, 66.883, 5.433



84, 26.660, 352.983



40, 94.957, 315.223



42, 18.255, 353.424



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, 66.883, 5.433



54, 85.065, 13.904



47, 73.894, 37.947



40, 4.934, 351.237



35, 61.568, 12.776



4, 18.984, 0.460

Inverse Universe

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



46, 66.883, 5.433



54, 85.065, 13.904



70, 36.800, 211.558



40, 4.934, 351.237



35, 61.568, 12.776



4, 18.984, 0.460

Previews

White Background



This preview shows how the CIELCh color 46, 66.886, 5.431 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, 66.886, 5.431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

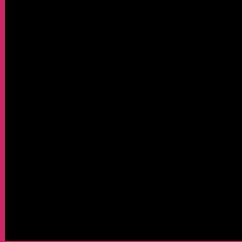
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 66.886, 5.431

Background



This preview shows how black text looks on a background with the CIELCh color 46, 66.886, 5.431.

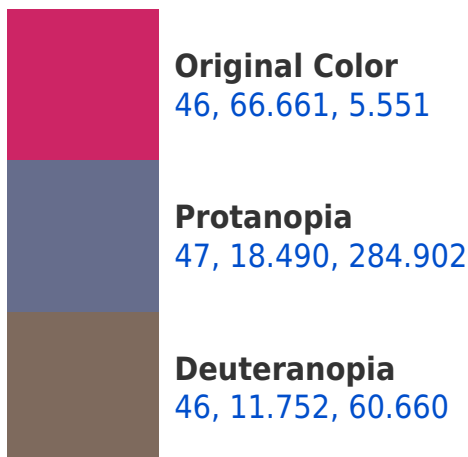


This preview shows how white text looks on a background with the CIELCh color 46, 66.886, 5.431.

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](#).

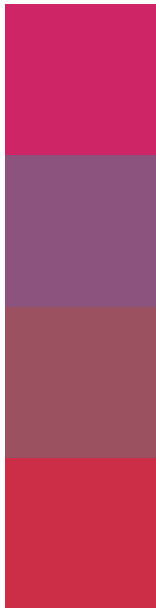
Dichromacy





Tritanopia
46, 68.898, 31.237

Trichromacy



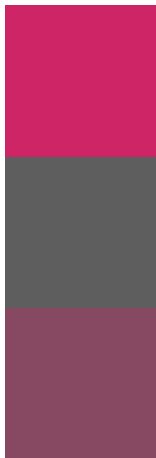
Original Color
46, 66.661, 5.551

Protanomaly
43, 33.532, 334.914

Deuteranomaly
44, 32.825, 9.289

Tritanomaly
46, 66.490, 22.023

Monochromacy



Original Color
46, 66.661, 5.551

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 29.141, 354.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 66.886, 5.431 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(205, 37, 101)` looks like.

```
.text, #text, p{  
    color:rgb(205, 37, 101)  
}
```

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(205, 37, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 37, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 66.886, 5.431 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(205, 37, 101) }
```

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

```
.border{ border-color:rgb(205, 37, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 37, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 37, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 37, 101);  
box-shadow:4px 4px 4px 4px rgb(205, 37,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 66.886, 5.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 37, 101) }
```

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

```
.background{ background-color: rgb(205, 37,  
101) }
```

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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