

Converting Colors

CIELCh(50, 65.406, 8.571)

Have a look what the booklet for
CIELCh(50, 65.406, 8.571) contains.

CIELCh(50, 65.302, 8.707)	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(50, 65.302, 8.707)

Conversions

Conversions Part 1

Format	Color
Hex	D83769
RGB	216, 55, 105
RGB Percent	85%, 22%, 41%
CMY	0.1520, 0.7832, 0.5875
CMYK	0.00, 0.74, 0.51, 0.15
HSL	341°, 68%, 53%
HSV	341°, 74%, 85%
XYZ	32.3314, 18.4187, 15.2690
YIQ	108.8390, 79.9060, 49.6820

Conversions

Conversions Part 2

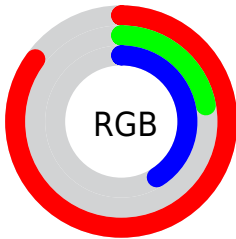
Format	Color
R _Y B	216, 55, 105
Decimal	14169961
CIE Lab	50.00, 64.55, 9.89
CIE LCh	50, 65.302, 8.707
Yxy	18.4187, 0.4897, 0.2790
Android (android.graphics.Color)	4292360041 (0xFFD83769)
YUV	108.8390, -1.8926, 93.9802
Hunter-Lab	42.9170, 59.3680, 8.9476

Details

The CIELCh color **50, 65.302, 8.707** 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 **78, 53.929, 165.999**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 57.243, 4.434**, and **32, 58.684, 13.358** is the 20% darker color. If you saturate the color by 10%, you get **48, 70.978, 12.801**, and if you desaturate by 10%, it is **53, 58.157, 5.469**.

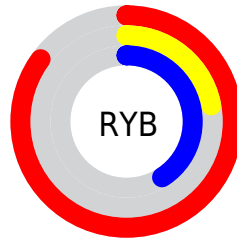
Distribution



Red (85%)

Green (22%)

Blue (41%)



Red (85%)

Yellow (22%)

Blue (41%)

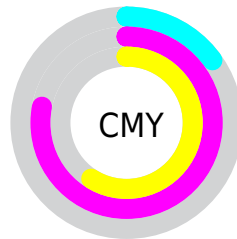


Cyan (0%)

Magenta (74%)

Yellow (51%)

Black (15%)



Cyan (15%)


Magenta (78%)









Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 65.302, 8.707 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 50, 65.302, 8.707 by changing the saturation by 10% instead.

 50, 65.302, 8.707	 50, 65.302, 8.707
 100, 65.302, 8.707	 40, 65.302, 8.707
 70, 65.302, 8.707	 30, 65.302, 8.707
 80, 65.302, 8.707	 20, 65.302, 8.707
 90, 65.302, 8.707	 10, 65.302, 8.707
	 0, 65.302, 8.707

 50, 65.302, 8.707	 50, 65.302, 8.707
 48, 70.978, 12.801	 53, 58.157, 5.469
 46, 75.228, 17.826	 57, 49.848, 2.913
 46, 77.319, 20.843	 62, 40.797, 0.873

67, 31.410,
359.212

72, 21.999,
357.828

78, 12.772,
356.642

84, 3.850, 355.541

90, 4.707, 174.892

96, 12.881,
174.037

Harmonies

Complementary

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



50, 65.302, 8.707



78, 53.929, 165.999

Rectangle

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



50, 65.302, 8.707



50, 65.302, 58.707



50, 65.302, 188.707



50, 65.302, 238.707

Sweetspot

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



50, 65.299, 8.709



86, 22.557, 357.548



47, 91.869, 317.751



44, 15.223, 357.892



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 65.299, 8.709



55, 83.157, 15.398



53, 66.077, 40.801



42, 4.933, 356.096



36, 64.535, 19.831



5, 22.311, 5.713

Inverse Universe

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



50, 65.299, 8.709



55, 83.157, 15.398



70, 35.481, 224.633



42, 4.933, 356.096



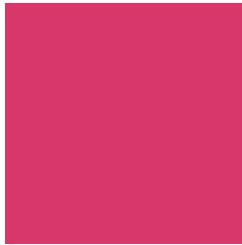
36, 64.535, 19.831



5, 22.311, 5.713

Previews

White Background



This preview shows how the CIELCh color 50, 65.302, 8.707 looks on a white background.

Color Contrast Check

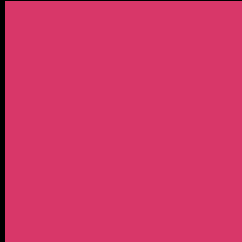
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 65.302, 8.707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

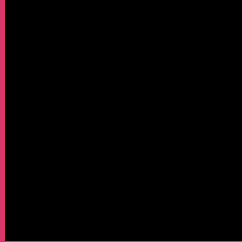
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 65.302, 8.707

Background



This preview shows how black text looks on a background with the CIELCh color 50, 65.302, 8.707.



This preview shows how white text looks on a background with the CIELCh color 50, 65.302, 8.707.

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

50, 65.302, 8.707

Protanopia

50, 11.721, 286.203

Deuteranopia

50, 14.983, 64.111



Tritanopia
50, 66.891, 29.215

Trichromacy



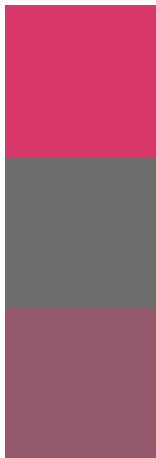
Original Color
50, 65.302, 8.707

Protanomaly
48, 28.534, 344.121

Deuteranomaly
48, 32.298, 16.881

Tritanomaly
50, 65.295, 21.964

Monochromacy



Original Color
50, 65.302, 8.707

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 26.907, 359.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 65.302, 8.707 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(216, 55, 105)` looks like.

```
.text, #text, p{  
    color:rgb(216, 55, 105)  
}
```

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(216, 55, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 55, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 65.302, 8.707 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(216, 55, 105) }
```

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

```
.border{ border-color:rgb(216, 55, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 55, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 55, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 55, 105);  
box-shadow:4px 4px 4px 4px rgb(216, 55,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 65.302, 8.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 55, 105) }
```

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

```
.background{ background-color: rgb(216, 55,  
105) }
```

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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