

# Converting Colors

CIELCh(65, 44.796, 336.317)

Have a look what the booklet for  
CIELCh(65, 44.796, 336.317)  
contains.

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# Color

**CIELCh(65, 44.834, 336.081)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D682BF
RGB	214, 130, 191
RGB Percent	84%, 51%, 75%
CMY	0.1606, 0.4900, 0.2508
CMYK	0.00, 0.39, 0.11, 0.16
HSL	316°, 51%, 67%
HSV	316°, 39%, 84%
XYZ	45.1469, 34.0472, 53.5134
YIQ	162.0700, 30.4830, 36.7790

# Conversions

## Conversions Part 2

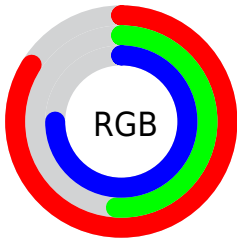
Format	Color
R <sub>Y</sub> B	214, 130, 191
Decimal	14058175
CIE Lab	65.00, 40.98, -18.18
CIE LCh	65, 44.834, 336.081
Yxy	34.0472, 0.3402, 0.2566
Android (android.graphics.Color)	4292248255 (0xFFD682BF)
YUV	162.0700, 14.2625, 45.5426
Hunter-Lab	58.3500, 35.9978, -13.5306

# Details

The CIELCh color  $65, 44.834, 336.081$  is a light color, and the websafe version is hex  $CC6699$ . A complement of this color would be  $79, 44.449, 149.889$ , and the grayscale version is  $67, 0.008, 296.813$ .

A 20% lighter version of the original color is  $83, 41.219, 329.311$ , and  $45, 44.802, 336.451$  is the 20% darker color. If you saturate the color by 10%, you get  $60, 55.413, 336.926$ , and if you desaturate by 10%, it is  $70, 33.599, 335.292$ .

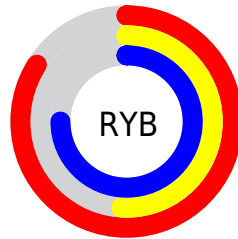
# Distribution



Red (84%)

Green (51%)

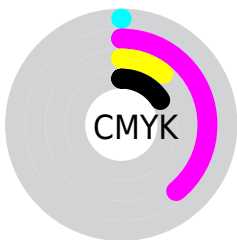
Blue (75%)



Red (84%)

Yellow (51%)

Blue (75%)

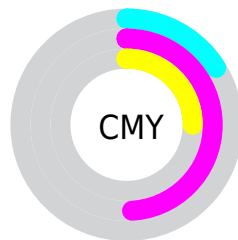


Cyan (0%)

Magenta (39%)

Yellow (11%)

Black (16%)



Cyan (16%)

Magenta (49%)


Yellow (25%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 44.834, 336.081 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 65, 44.834, 336.081 by changing the saturation by 10% instead.




 65, 44.834,  
336.081


 65, 44.834,  
336.081


 100, 44.834,  
336.081


 55, 44.834,  
336.081


 85, 44.834,  
336.081

 45, 44.834,  
336.081

 95, 44.834,  
336.081

 35, 44.834,  
336.081

 25, 44.834,  
336.081

 15, 44.834,  
336.081

 5, 44.834, 336.081

 0, 44.834, 336.081

65, 44.834,  
336.081

65, 44.834,  
336.081

60, 55.413,  
336.926

70, 33.599,  
335.292

57, 64.868,  
337.846

75, 22.084,  
334.547

53, 72.651,  
338.869

81, 10.545,  
333.831

51, 78.245,  
340.042

86, 0.847, 153.613

49, 81.322,  
341.424

92, 11.991,  
152.607

48, 82.107,  
343.058

97, 20.720,  
153.000

48, 82.138,  
343.187

97, 18.604,  
159.255

97, 16.740,  
166.961

■ 97, 15.224,  
176.348

# Harmonies

# Complementary

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



65, 44.834, 336.081



79, 44.449, 149.889

# Rectangle

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



65, 44.834, 336.081



65, 44.834, 26.081



65, 44.834, 156.081



65, 44.834, 206.081

# Sweetspot

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



65, 44.831, 336.081



92, 15.813, 334.036



59, 48.191, 303.569



48, 10.498, 334.130



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



65, 44.831, 336.081



72, 61.172, 336.772



64, 34.935, 5.576



42, 6.480, 333.844



38, 69.632, 342.889



6, 26.959, 339.631



# Inverse Universe

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



65, 44.831, 336.081



72, 61.172, 336.772



80, 30.069, 176.849



42, 6.480, 333.844



38, 69.632, 342.889

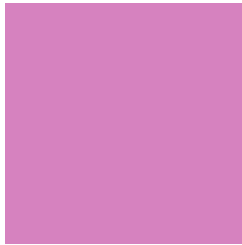


6, 26.959, 339.631



# Previews

## White Background



This preview shows how the CIELCh color 65, 44.834, 336.081 looks on a white background.

## Color Contrast Check

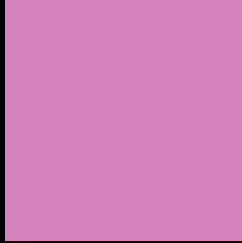
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 65, 44.834, 336.081 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

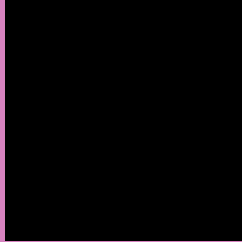
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 65, 44.834, 336.081

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 44.834, 336.081.

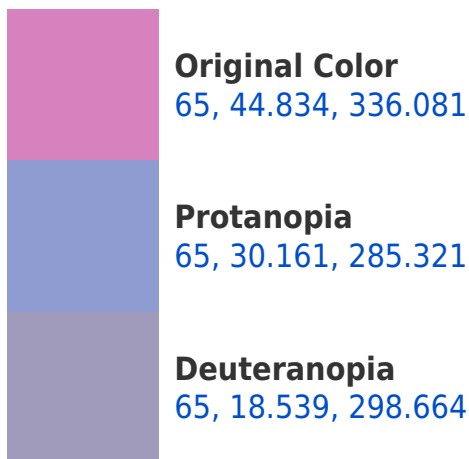


This preview shows how white text looks on a background with the CIELCh color 65, 44.834, 336.081.

# 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**  
65, 29.055, 10.609

# Trichromacy



**Original Color**  
65, 44.834, 336.081



**Protanomaly**  
65, 32.245, 306.796



**Deuteranomaly**  
65, 27.152, 320.239

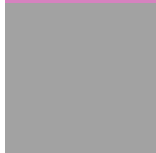


**Tritanomaly**  
65, 33.192, 354.532

# Monochromacy



**Original Color**  
65, 44.834, 336.081



**Achromatopsia**  
67, 0.008, 296.813



**Achromatomaly**  
65, 17.324, 333.756

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 44.834, 336.081 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(214, 130, 191)` looks like.

```
.text, #text, p{  
    color:rgb(214, 130, 191)  
}
```

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(214, 130, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 130, 191) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 44.834, 336.081 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(214, 130, 191) }
```

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

```
.border{ border-color:rgb(214, 130, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 130, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 130, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 130, 191);  
box-shadow:4px 4px 4px 4px rgb(214, 130,  
191) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 44.834, 336.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 130, 191) }
```

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

```
.background{ background-color: rgb(214,  
130, 191) }
```

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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