

Converting Colors

CIELCh(65, 56.805, 320.641)

Have a look what the booklet for
CIELCh(65, 56.805, 320.641)
contains.

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Color

CIELCh(65, 56.663, 320.497)

Conversions

Conversions Part 1

Format	Color
Hex	CC82DF
RGB	204, 130, 223
RGB Percent	80%, 51%, 87%
CMY	0.2007, 0.4909, 0.1262
CMYK	0.09, 0.42, 0.00, 0.13
HSL	288°, 59%, 69%
HSV	288°, 42%, 87%
XYZ	46.1039, 34.0472, 73.8214
YIQ	162.7280, 14.2510, 44.6110

Conversions

Conversions Part 2

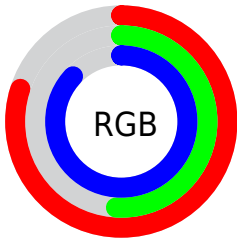
Format	Color
RYB	204, 130, 223
Decimal	13402847
CIELab	65.00, 43.72, -36.04
CIELCh	65, 56.663, 320.497
Yxy	34.0472, 0.2994, 0.2211
Android (android.graphics.Color)	4291592927 (0xFFCC82DF)
YUV	162.7280, 29.7141, 36.1955
Hunter-Lab	58.3500, 38.9252, -34.1657

Details

The CIELCh color $65, 56.663, 320.497$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $82, 55.641, 136.335$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 44.490, 325.965$, and $45, 56.562, 320.583$ is the 20% darker color. If you saturate the color by 10%, you get $60, 69.557, 320.851$, and if you desaturate by 10%, it is $70, 43.174, 320.084$.

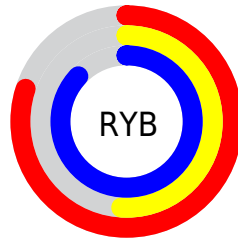
Distribution



Red (80%)

Green (51%)

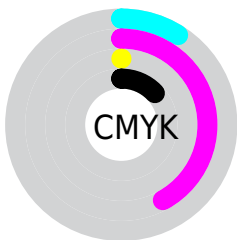
Blue (87%)



Red (80%)

Yellow (51%)

Blue (87%)

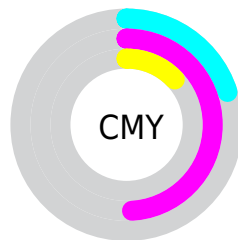


Cyan (9%)

Magenta (42%)

Yellow (0%)

Black (13%)



Cyan (20%)


Magenta (49%)


Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 56.663, 320.497 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, 56.663, 320.497 by changing the saturation by 10% instead.

 65, 56.663,
320.497


 65, 56.663,
320.497


 100, 56.663,
320.497


 55, 56.663,
320.497


 85, 56.663,
320.497

 45, 56.663,
320.497

 95, 56.663,
320.497

 35, 56.663,
320.497

 25, 56.663,
320.497

 15, 56.663,
320.497

 5, 56.663, 320.497

 0, 56.663, 320.497

65, 56.663,
320.497

65, 56.663,
320.497

60, 69.557,
320.851

70, 43.174,
320.084

56, 81.360,
321.110

76, 29.468,
319.641

52, 91.455,
321.230

82, 15.794,
319.186

49, 99.215,
321.162

88, 2.316, 318.661

46, 104.191,
320.866

94, 10.870,
138.355

45, 106.462,
320.466

98, 18.541,
136.475

98, 17.817,
131.953

98, 17.213,
127.031

■ 99, 16.748,
121.744

Harmonies

Complementary

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



65, 56.663, 320.497



82, 55.641, 136.335

Rectangle

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



65, 56.663, 320.497



65, 56.663, 10.497



65, 56.663, 140.497



65, 56.663, 190.497

Sweetspot

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



65, 56.661, 320.497



91, 19.548, 319.249



63, 40.890, 286.006



47, 13.703, 319.350



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, 56.661, 320.497



69, 75.144, 320.808



66, 48.800, 336.708



44, 7.673, 319.081



35, 89.204, 320.578



6, 35.386, 321.233

Inverse Universe

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



65, 38.341, 8.220



69, 51.704, 9.999



82, 48.362, 149.944



44, 4.894, 3.744



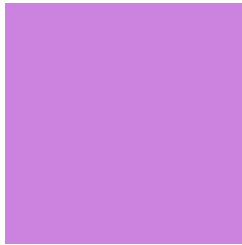
37, 70.028, 28.913



6, 25.280, 12.288

Previews

White Background



This preview shows how the CIELCh color 65, 56.663, 320.497 looks on a white background.

Color Contrast Check

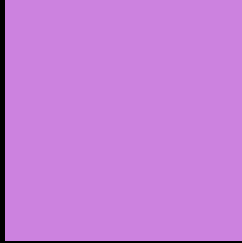
Large Text (above 18pt) WCAG AA × Fail

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, 56.663, 320.497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

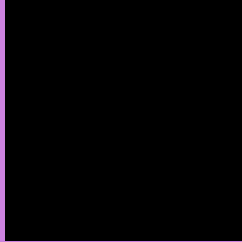
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 56.663, 320.497

Background



This preview shows how black text looks on a background with the CIELCh color 65, 56.663, 320.497.



This preview shows how white text looks on a background with the CIELCh color 65, 56.663, 320.497.

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


65, 56.663, 320.497

Protanopia

65, 49.645, 285.863

Deuteranopia

65, 34.649, 284.948



Tritanopia
65, 20.211, 4.082

Trichromacy



Original Color
65, 56.663, 320.497



Protanomaly
65, 50.240, 297.933



Deuteranomaly
65, 41.732, 301.841



Tritanomaly
65, 31.452, 336.648

Monochromacy



Original Color
65, 56.663, 320.497



Achromatopsia
67, 0.008, 296.813



Achromatomaly
66, 21.368, 319.432

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 56.663, 320.497 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(204, 130, 223)` looks like.

```
.text, #text, p{  
    color:rgb(204, 130, 223)  
}
```

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(204, 130, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 130, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 56.663, 320.497 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(204, 130, 223) }
```

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

```
.border{ border-color:rgb(204, 130, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 130, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 130, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 130, 223);  
box-shadow:4px 4px 4px 4px rgb(204, 130,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 56.663, 320.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 130, 223) }
```

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

```
.background{ background-color: rgb(204,  
130, 223) }
```

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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