

Converting Colors

CIELCh(66, 61.280, 321.991)

Have a look what the booklet for
CIELCh(66, 61.280, 321.991)
contains.

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Color

CIELCh(66, 61.629, 322.005)

Conversions

Conversions Part 1

Format	Color
Hex	D580E5
RGB	213, 128, 229
RGB Percent	84%, 50%, 90%
CMY	0.1640, 0.4974, 0.1012
CMYK	0.07, 0.44, 0.00, 0.10
HSL	290°, 66%, 70%
HSV	290°, 44%, 90%
XYZ	49.4035, 35.3238, 78.4765
YIQ	164.9290, 18.2390, 49.4310

Conversions

Conversions Part 2

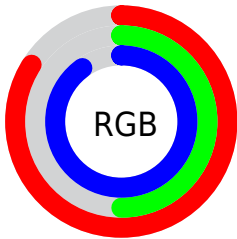
Format	Color
R _Y B	213, 128, 229
Decimal	13992165
CIE _{Lab}	66.00, 48.57, -37.94
CIE _{LCh}	66, 61.629, 322.005
Yxy	35.3238, 0.3027, 0.2164
Android (android.graphics.Color)	4292182245 (0xFFD580E5)
YUV	164.9290, 31.5870, 42.1583
Hunter-Lab	59.4338, 44.3664, -36.6828

Details

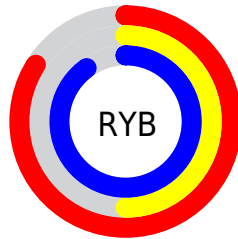
The CIELCh color $66, 61.629, 322.005$ is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be $84, 60.835, 137.355$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 45.110, 325.986$, and $46, 61.810, 321.927$ is the 20% darker color. If you saturate the color by 10%, you get $61, 74.529, 322.350$, and if you desaturate by 10%, it is $71, 47.915, 321.594$.

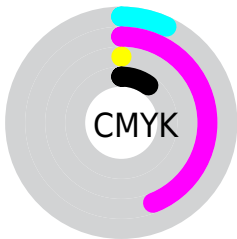
Distribution



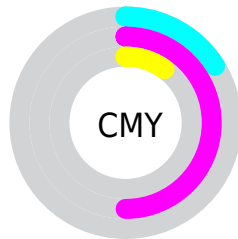
- Red (84%)
- Green (50%)
- Blue (90%)



- Red (84%)
- Yellow (50%)
- Blue (90%)



- Cyan (7%)
- Magenta (44%)
- Yellow (0%)
- Black (10%)





- Cyan (16%)
- Magenta (50%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 61.629, 322.005 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 66, 61.629, 322.005 by changing the saturation by 10% instead.

 66, 61.629,
322.005


 66, 61.629,
322.005


 100, 61.629,
322.005


 56, 61.629,
322.005


 86, 61.629,
322.005

 46, 61.629,
322.005

 96, 61.629,
322.005

 36, 61.629,
322.005

 26, 61.629,
322.005

 16, 61.629,
322.005

 6, 61.629, 322.005

 0, 61.629, 322.005

66, 61.629,
322.005

66, 61.629,
322.005

61, 74.529,
322.350

71, 47.915,
321.594

57, 86.064,
322.595

77, 33.826,
321.144

53, 95.603,
322.700

83, 19.669,
320.676

51, 102.572,
322.628

89, 5.649, 320.184

49, 106.667,
322.351

95, 8.106, 139.808

48, 108.053,
322.111

98, 15.008,
137.642

98, 14.415,
133.236

98, 13.914,
128.445

■ 99, 13.519,
123.296

Harmonies

Complementary

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



66, 61.629, 322.005



84, 60.835, 137.355

Rectangle

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



66, 61.629, 322.005



66, 61.629, 12.005



66, 61.629, 142.005



66, 61.629, 192.005

Sweetspot

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



66, 61.627, 322.005



92, 19.799, 320.629



62, 47.237, 289.233



47, 13.876, 320.734



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 61.627, 322.005



68, 79.772, 322.327



67, 50.860, 339.217



45, 7.919, 320.456



37, 89.599, 322.205



7, 37.187, 322.972

Inverse Universe

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



65, 41.464, 12.171



67, 55.007, 14.222



84, 50.117, 151.579



45, 4.913, 7.267



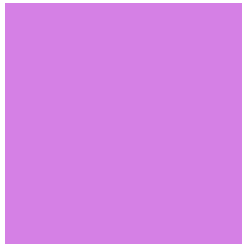
37, 72.996, 32.262



7, 26.715, 15.168

Previews

White Background



This preview shows how the CIELCh color 66, 61.629, 322.005 looks on a white background.

Color Contrast Check

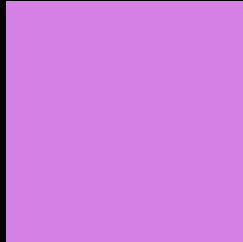
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 66, 61.629, 322.005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

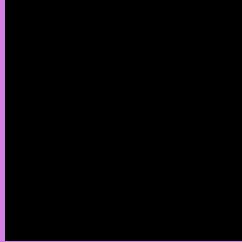
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 61.629, 322.005

Background



This preview shows how black text looks on a background with the CIELCh color 66, 61.629, 322.005.

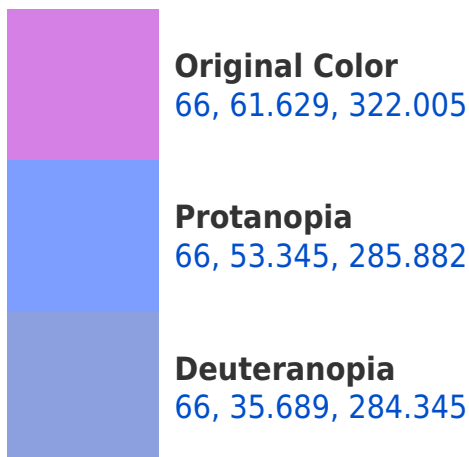


This preview shows how white text looks on a background with the CIELCh color 66, 61.629, 322.005.

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
66, 23.693, 7.157

Trichromacy



Original Color
66, 61.629, 322.005



Protanomaly
65, 54.551, 298.614



Deuteranomaly
66, 43.340, 302.459



Tritanomaly
66, 34.782, 339.077

Monochromacy



Original Color
66, 61.629, 322.005



Achromatopsia
68, 0.008, 296.813



Achromatomaly
67, 22.975, 321.485

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 61.629, 322.005 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(213, 128, 229)` looks like.

```
.text, #text, p{  
    color:rgb(213, 128, 229)  
}
```

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(213, 128, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 128, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 61.629, 322.005 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(213, 128, 229) }
```

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

```
.border{ border-color:rgb(213, 128, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 128, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 128, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 128, 229);  
box-shadow:4px 4px 4px 4px rgb(213, 128,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 61.629, 322.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 128, 229) }
```

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

```
.background{ background-color: rgb(213,  
128, 229) }
```

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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