

Converting Colors

CIELCh(66, 27.232, 245.872)

Have a look what the booklet for
CIELCh(66, 27.232, 245.872)
contains.

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Color

CIELCh(66, 27.232, 245.872)

Conversions

Conversions Part 1

Format	Color
Hex	66A8CC
RGB	102, 168, 204
RGB Percent	40%, 66%, 80%
CMY	0.5988, 0.3401, 0.1989
CMYK	0.50, 0.18, 0.00, 0.20
HSL	201°, 50%, 60%
HSV	201°, 50%, 80%
XYZ	30.5008, 35.3238, 62.5195
YIQ	152.3700, -50.8920, -2.7960

Conversions

Conversions Part 2

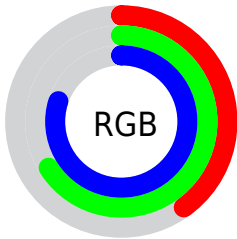
Format	Color
RYB	102, 142, 204
Decimal	6727884
CIELab	66.00, -11.13, -24.85
CIElCh	66, 27.232, 245.872
Yxy	35.3238, 0.2376, 0.2752
Android (android.graphics.Color)	4284917964 (0xFF66A8CC)
YUV	152.3700, 25.4536, -44.1745
Hunter-Lab	59.4338, -12.4048, -20.7645

Details

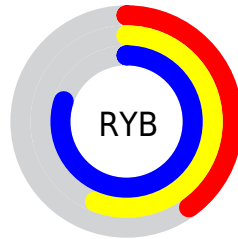
The CIELCh color $66, 27.232, 245.872$ is a light color, and the websafe version is hex $6699CC$. A complement of this color would be $63, 36.232, 54.309$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 25.436, 240.083$, and $46, 27.280, 246.342$ is the 20% darker color. If you saturate the color by 10%, you get $63, 31.599, 248.646$, and if you desaturate by 10%, it is $69, 22.441, 243.615$.

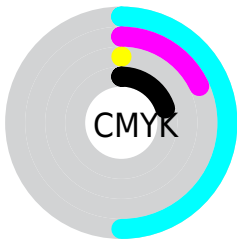
Distribution



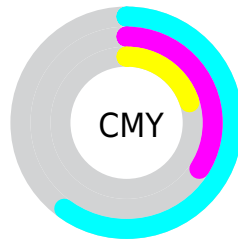
- Red (40%)
- Green (66%)
- Blue (80%)



- Red (40%)
- Yellow (56%)
- Blue (80%)



- Cyan (50%)
- Magenta (18%)
- Yellow (0%)
- Black (20%)





- Cyan (60%)
- Magenta (34%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 27.232, 245.872 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, 27.232, 245.872 by changing the saturation by 10% instead.


 66, 27.232,
245.872


 66, 27.232,
245.872


 100, 27.232,
245.872


 56, 27.232,
245.872


 86, 27.232,
245.872

 46, 27.232,
245.872

 96, 27.232,
245.872

 36, 27.232,
245.872

 26, 27.232,
245.872

 16, 27.232,
245.872

 6, 27.232, 245.872

 0, 27.232, 245.872

■ 66, 27.232,
245.872

■ 66, 27.232,
245.872

■ 63, 31.599,
248.646

■ 69, 22.441,
243.615

■ 60, 35.542,
252.017

■ 72, 17.264,
241.794

■ 58, 39.107,
256.032

■ 75, 11.752,
240.332

■ 55, 42.407,
260.669

■ 79, 5.965, 239.180

■ 53, 45.647,
265.685

■ 82, 0.042, 46.420

■ 86, 6.214, 57.270

■ 53, 45.672,
265.721

■ 89, 12.511, 56.666

■ 92, 15.718, 64.999

■ 93, 16.996, 80.002

Harmonies

Complementary

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



66, 27.232, 245.872



63, 36.232, 54.309

Rectangle

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



66, 27.232, 245.872



66, 27.232, 295.872



66, 27.232, 65.872



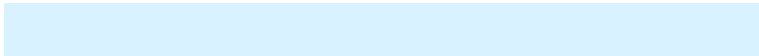
66, 27.232, 115.872

Sweetspot

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



66, 27.231, 245.871



94, 10.690, 239.749



75, 50.637, 151.538



49, 7.264, 240.004



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, 27.231, 245.871



77, 37.761, 248.909



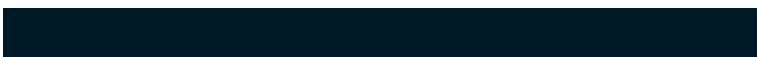
52, 50.265, 291.284



41, 3.409, 239.128



43, 38.715, 264.880



7, 12.659, 253.268

Inverse Universe

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



57, 51.338, 340.750



66, 71.703, 342.004



76, 45.815, 97.622



40, 5.882, 337.151



36, 64.894, 348.753



4, 21.826, 344.088

Previews

White Background



This preview shows how the CIELCh color 66, 27.232, 245.872 looks on a white background.

Color Contrast Check

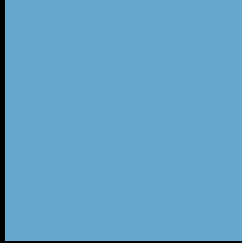
Large Text (above 18pt) WCAG AA × Fail

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, 27.232, 245.872 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, 27.232, 245.872

Background



This preview shows how black text looks on a background with the CIELCh color 66, 27.232, 245.872.

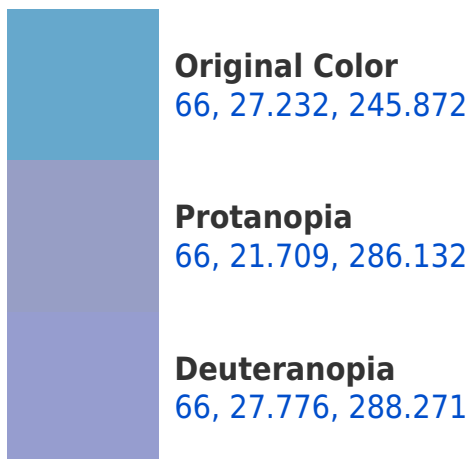


This preview shows how white text looks on a background with the CIELCh color 66, 27.232, 245.872.

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, 24.407, 214.932

Trichromacy



Original Color
66, 27.232, 245.872

Protanomaly
66, 22.731, 267.810

Deuteranomaly
66, 26.154, 272.748

Tritanomaly
66, 24.680, 226.207

Monochromacy



Original Color
66, 27.232, 245.872

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 10.994, 240.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 27.232, 245.872 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(102, 168, 204)` looks like.

```
.text, #text, p{  
    color:rgb(102, 168, 204)  
}
```

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(102, 168, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 168, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 27.232, 245.872 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(102, 168, 204) }
```

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

```
.border{ border-color:rgb(102, 168, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 168, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 168, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 168, 204);  
box-shadow:4px 4px 4px 4px rgb(102, 168,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 27.232, 245.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 168, 204) }
```

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

```
.background{ background-color: rgb(102,  
168, 204) }
```

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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