

Converting Colors

CIELCh(66, 23.199, 267.894)

Have a look what the booklet for
CIELCh(66, 23.199, 267.894)
contains.

| | |
|--|----|
| CIELCh(66, 23.312, 267.766) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 21 |
| <i>Color Blindness Simulation</i> | 24 |
| <i>CSS Examples</i> | 27 |

Color

CIELCh(66, 23.312, 267.766)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 85A3CA |
| RGB | 133, 163, 202 |
| RGB Percent | 52%, 64%, 79% |
| CMY | 0.4794, 0.3618, 0.2089 |
| CMYK | 0.34, 0.19, 0.00, 0.21 |
| HSL | 214°, 39%, 66% |
| HSV | 214°, 34%, 79% |
| XYZ | 33.3159, 35.3238, 60.7774 |
| YIQ | 158.4760, -30.3990, 5.7690 |

Conversions

Conversions Part 2

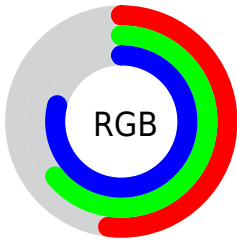
| Format | Color |
|-------------------------------------|--|
| RYB | 133, 154, 202 |
| Decimal | 8758218 |
| CIELab | 66.00, -0.91, -23.29 |
| CIElCh | 66, 23.312, 267.766 |
| Yxy | 35.3238, 0.2574, 0.2729 |
| Android (android.graphics.Color) | 4286948298 (0xFF85A3CA) |
| YUV | 158.4760, 21.4573, -22.3425 |
| Hunter-Lab | 59.4338, -3.9502, -19.0266 |

Details

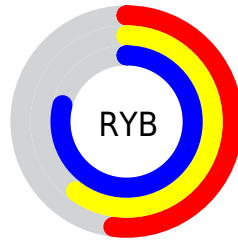
The CIELCh color $66, 23.312, 267.766$ is a light color, and the websafe version is hex $6699CC$. A complement of this color would be $72, 24.692, 77.668$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 21.365, 264.970$, and $46, 23.570, 268.839$ is the 20% darker color. If you saturate the color by 10%, you get $62, 30.109, 270.094$, and if you desaturate by 10%, it is $70, 16.499, 265.790$.

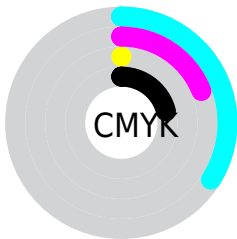
Distribution



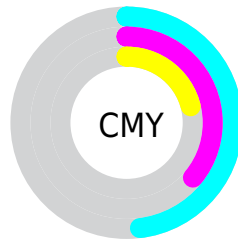
- Red (52%)
- Green (64%)
- Blue (79%)



- Red (52%)
- Yellow (60%)
- Blue (79%)



- Cyan (34%)
- Magenta (19%)
- Yellow (0%)
- Black (21%)





- Cyan (48%)
- Magenta (36%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 23.312, 267.766 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, 23.312, 267.766 by changing the saturation by 10% instead.


 66, 23.312,
267.766


 66, 23.312,
267.766


 100, 23.312,
267.766


 56, 23.312,
267.766


 86, 23.312,
267.766

 46, 23.312,
267.766


 96, 23.312,
267.766

 36, 23.312,
267.766

 26, 23.312,
267.766

 16, 23.312,
267.766

 6, 23.312, 267.766

 0, 23.312, 267.766

66, 23.312,
267.766

66, 23.312,
267.766

62, 30.109,
270.094

70, 16.499,
265.790

57, 36.903,
272.827

75, 9.680, 264.124

79, 2.864, 262.772

53, 43.720,
275.996

84, 3.934, 81.355

49, 50.611,
279.597

88, 10.699, 80.352

45, 57.642,
283.562

93, 17.419, 79.449

96, 21.330, 95.800

42, 64.860,
287.739

99, 26.365,
107.319

40, 69.149,
290.085

99, 26.865,
108.138

Harmonies

Complementary

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



66, 23.312, 267.766



72, 24.692, 77.668

Rectangle

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



66, 23.312, 267.766



66, 23.312, 317.766



66, 23.312, 87.766



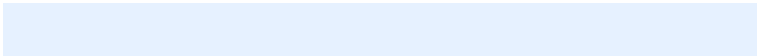
66, 23.312, 137.766

Sweetspot

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



66, 23.311, 267.765



95, 8.246, 263.529



76, 29.783, 163.104



50, 5.626, 263.732



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, 23.311, 267.765



78, 33.788, 269.443



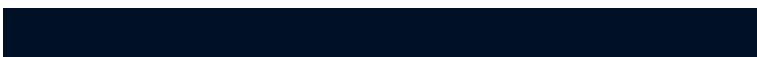
58, 39.282, 296.095



41, 3.903, 263.427



33, 58.875, 289.459



5, 16.374, 276.295

Inverse Universe

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



63, 31.164, 350.829



74, 45.196, 351.840



80, 36.098, 109.122



40, 5.091, 348.094



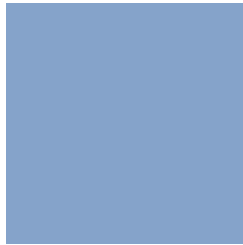
35, 61.168, 7.838



4, 19.342, 357.500

Previews

White Background



This preview shows how the CIELCh color 66, 23.312, 267.766 looks on a white background.

Color Contrast Check

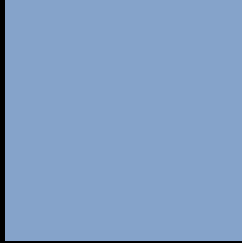
Large Text (above 18pt) WCAG AA × Fail

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, 23.312, 267.766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

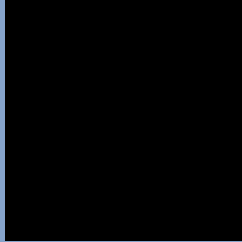
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

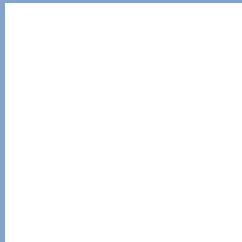
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 23.312, 267.766

Background



This preview shows how black text looks on a background with the CIELCh color 66, 23.312, 267.766.

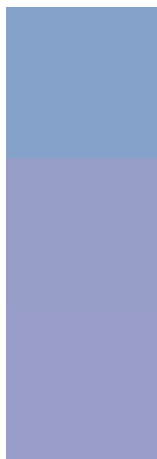


This preview shows how white text looks on a background with the CIELCh color 66, 23.312, 267.766.

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

66, 23.312, 267.766

Protanopia

66, 22.835, 285.750

Deuteranopia

66, 25.529, 289.795



Tritanopia
66, 14.923, 227.479

Trichromacy



Original Color
66, 23.312, 267.766

Protanomaly
66, 22.630, 278.866

Deuteranomaly
66, 24.638, 282.641

Tritanomaly
66, 16.983, 247.712

Monochromacy



Original Color
66, 23.312, 267.766

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 8.641, 263.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 23.312, 267.766 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(133, 163, 202)` looks like.

```
.text, #text, p{  
    color:rgb(133, 163, 202)  
}
```

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(133, 163, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 163, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 23.312, 267.766 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(133, 163, 202) }
```

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

```
.border{ border-color:rgb(133, 163, 202) }
```

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

Here you see how a box with a 4 pixel rgb(133, 163, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 163, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 163, 202);  
box-shadow:4px 4px 4px 4px rgb(133, 163,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 23.312, 267.766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 163, 202) }
```

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

```
.background{ background-color: rgb(133,  
163, 202) }
```

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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