

Converting Colors

CIELCh(66, 15.667, 252.075)

Have a look what the booklet for
CIELCh(66, 15.667, 252.075)
contains.

| | |
|--|----|
| CIELCh(66, 15.820, 252.933) | 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, 15.820, 252.933)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 87A4BB |
| RGB | 135, 164, 187 |
| RGB Percent | 53%, 64%, 73% |
| CMY | 0.4703, 0.3566, 0.2664 |
| CMYK | 0.28, 0.12, 0.00, 0.27 |
| HSL | 207°, 28%, 63% |
| HSV | 207°, 28%, 73% |
| XYZ | 32.2684, 35.3238, 52.1717 |
| YIQ | 157.9510, -24.6670, 1.0050 |

Conversions

Conversions Part 2

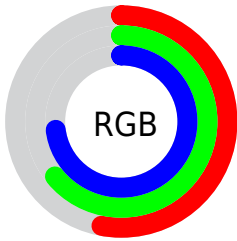
| Format | Color |
|-------------------------------------|---|
| RYB | 135, 154, 187 |
| Decimal | 8889531 |
| CIELab | 66.00, -4.64, -15.12 |
| CIELCh | 66, 15.820, 252.933 |
| Yxy | 35.3238, 0.2694, 0.2949 |
| Android (android.graphics.Color) | 4287079611 (0xFF87A4BB) |
| YUV | 157.9510, 14.3212, -20.1280 |
| Hunter-Lab | 59.4338, -7.0962, -10.4418 |

Details

The CIELCh color **66, 15.820, 252.933** is a light color, and the websafe version is hex **999999**. A complement of this color would be **67, 17.540, 65.803**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 15.768, 252.286**, and **46, 15.949, 254.327** is the 20% darker color. If you saturate the color by 10%, you get **63, 21.209, 254.933**, and if you desaturate by 10%, it is **70, 10.251, 251.273**.

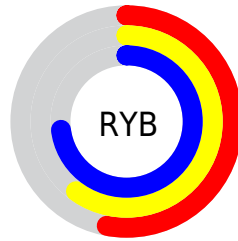
Distribution



Red (53%)

Green (64%)

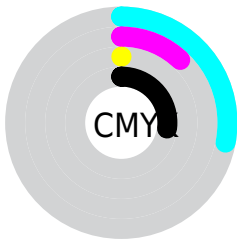
Blue (73%)



Red (53%)

Yellow (60%)

Blue (73%)

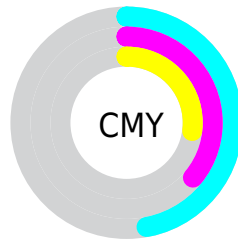


Cyan (28%)

Magenta (12%)

Yellow (0%)

Black (27%)



Cyan (47%)

Magenta (36%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 15.820, 252.933 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, 15.820, 252.933 by changing the saturation by 10% instead.

■ 66, 15.820,
252.933

■ 66, 15.820,
252.933

■ 100, 15.820,
252.933

■ 56, 15.820,
252.933

■ 86, 15.820,
252.933

■ 46, 15.820,
252.933

■ 96, 15.820,
252.933

■ 36, 15.820,
252.933

■ 26, 15.820,
252.933

■ 16, 15.820,
252.933

■ 6, 15.820, 252.933

■ 0, 15.820, 252.933

66, 15.820,
252.933

66, 15.820,
252.933

63, 21.209,
254.933

70, 10.251,
251.273

59, 26.393,
257.348

73, 4.538, 249.930

77, 1.284, 68.374

56, 31.358,
260.240

80, 7.186, 67.644

53, 36.117,
263.661

84, 13.138, 66.837

50, 40.722,
267.628

88, 19.117, 66.135

90, 22.253, 73.537

47, 45.264,
272.087

92, 24.236, 85.094

44, 49.875,
276.842

94, 27.044, 94.493

44, 50.927,

277.841

Harmonies

Complementary

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



66, 15.820, 252.933



67, 17.540, 65.803

Rectangle

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



66, 15.820, 252.933



66, 15.820, 302.933



66, 15.820, 72.933



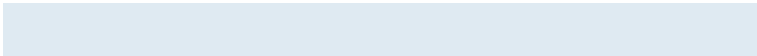
66, 15.820, 122.933

Sweetspot

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



66, 15.819, 252.929



92, 5.743, 249.969



72, 25.106, 157.816



49, 4.108, 250.152



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



66, 15.819, 252.929



81, 22.987, 254.032



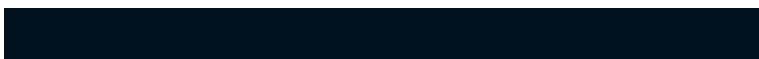
59, 27.523, 290.835



38, 3.317, 250.117



37, 44.456, 277.166



5, 10.905, 263.211

Inverse Universe

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



62, 25.566, 343.025



76, 37.463, 343.607



74, 26.005, 104.531



37, 5.180, 341.357



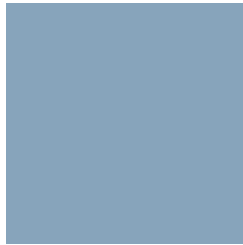
34, 60.247, 356.166



3, 14.443, 348.191

Previews

White Background



This preview shows how the CIELCh color 66, 15.820, 252.933 looks on a white background.

Color Contrast Check

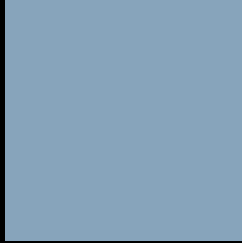
Large Text (above 18pt) WCAG AA × Fail

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 66, 15.820, 252.933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

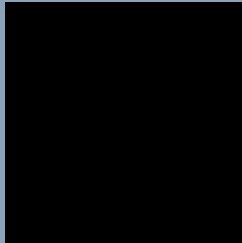
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

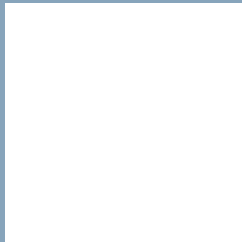
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 15.820, 252.933

Background



This preview shows how black text looks on a background with the CIELCh color 66, 15.820, 252.933.



This preview shows how white text looks on a background with the CIELCh color 66, 15.820, 252.933.

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](#).

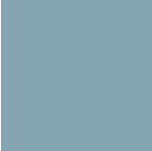
Dichromacy



Original Color
66, 15.820, 252.933

Protanopia
66, 13.884, 287.219

Deuteranopia
66, 18.496, 298.648



Tritanopia
66, 13.308, 234.531

Trichromacy



Original Color
66, 15.820, 252.933

Protanomaly
66, 13.936, 272.508

Deuteranomaly
66, 16.212, 283.183

Tritanomaly
66, 13.977, 241.354

Monochromacy



Original Color
66, 15.820, 252.933

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 6.132, 253.993

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 15.820, 252.933 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(135, 164, 187)` looks like.

```
.text, #text, p{  
    color:rgb(135, 164, 187)  
}
```

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(135, 164, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 164, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 15.820, 252.933 is called "border". The border property can be set on classes, ids or directly on the HTML element.

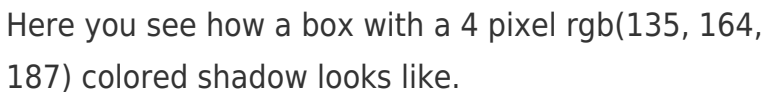
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 164, 187) }
```

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

```
.border{ border-color:rgb(135, 164, 187) }
```

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



Here you see how a box with a 4 pixel rgb(135, 164, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 164, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 164, 187);  
box-shadow:4px 4px 4px 4px rgb(135, 164,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 15.820, 252.933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 164, 187) }
```

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

```
.background{ background-color: rgb(135,  
164, 187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor