

Converting Colors

CIELCh(66, 20.923, 175.672)

Have a look what the booklet for
CIELCh(66, 20.923, 175.672)
contains.

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Color

CIELCh(66, 20.933, 175.806)

Conversions

Conversions Part 1

Format	Color
Hex	75AB9D
RGB	117, 171, 157
RGB Percent	46%, 67%, 62%
CMY	0.5413, 0.3295, 0.3845
CMYK	0.32, 0.00, 0.08, 0.33
HSL	164°, 24%, 56%
HSV	164°, 32%, 67%
XYZ	27.9694, 35.3238, 37.2257
YIQ	153.2580, -27.6900, -15.8020

Conversions

Conversions Part 2

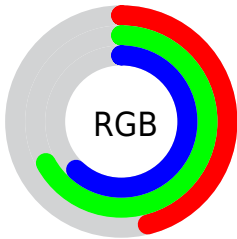
Format	Color
RYB	117, 148, 171
Decimal	7711645
CIELab	66.00, -20.88, 1.53
CIElCh	66, 20.933, 175.806
Yxy	35.3238, 0.2783, 0.3514
Android (android.graphics.Color)	4285901725 (0xFF75AB9D)
YUV	153.2580, 1.8448, -31.7983
Hunter-Lab	59.4338, -20.0077, 4.4681

Details

The CIELCh color **66, 20.933, 175.806** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **55, 23.296, 2.362**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 20.956, 175.861**, and **46, 21.120, 175.554** is the 20% darker color. If you saturate the color by 10%, you get **65, 26.915, 174.674**, and if you desaturate by 10%, it is **67, 14.564, 176.852**.

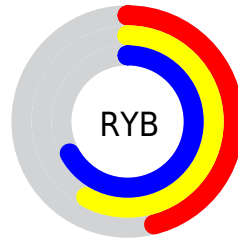
Distribution



Red (46%)

Green (67%)

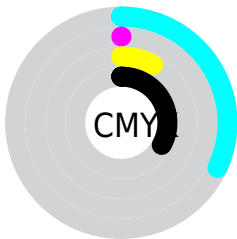
Blue (62%)



Red (46%)

Yellow (58%)

Blue (67%)

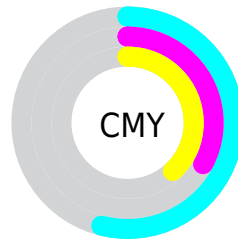


Cyan (32%)

Magenta (0%)

Yellow (8%)

Black (33%)



Cyan (54%)


Magenta (33%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 20.933, 175.806 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, 20.933, 175.806 by changing the saturation by 10% instead.


 66, 20.933,
175.806


 66, 20.933,
175.806


 100, 20.933,
175.806


 56, 20.933,
175.806


 86, 20.933,
175.806

 46, 20.933,
175.806

 96, 20.933,
175.806

 36, 20.933,
175.806

 26, 20.933,
175.806

 16, 20.933,
175.806

 6, 20.933, 175.806

 0, 20.933, 175.806

66, 20.933,
175.806

66, 20.933,
175.806

65, 26.915,
174.674

67, 14.564,
176.852

64, 32.395,
173.441

68, 7.916, 177.846

64, 37.271,
172.083

70, 1.089, 179.104

71, 5.830, 359.490

63, 41.462,
170.576

73, 12.773, 0.352

63, 44.928,
168.897

75, 19.683, 1.149

76, 26.520, 1.908

62, 47.683,
167.033

78, 33.255, 2.636

62, 49.617,
165.385

79, 34.291,
359.177

Harmonies

Complementary

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



66, 20.933, 175.806



55, 23.296, 2.362

Rectangle

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



66, 20.933, 175.806



66, 20.933, 225.806



66, 20.933, 355.806



66, 20.933, 45.806

Sweetspot

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



66, 20.934, 175.804



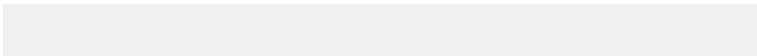
87, 7.618, 178.087



66, 33.496, 135.241



46, 5.329, 177.946



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



66, 20.934, 175.804



83, 30.630, 175.013



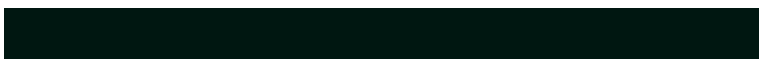
63, 15.565, 225.458



36, 3.921, 178.072



55, 45.012, 165.617



6, 8.768, 173.014

Inverse Universe

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



55, 23.296, 2.362



67, 34.978, 3.456



58, 19.198, 42.623



34, 4.042, 359.652



31, 60.041, 23.681



2, 8.193, 2.376

Previews

White Background



This preview shows how the CIELCh color 66, 20.933, 175.806 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, 20.933, 175.806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

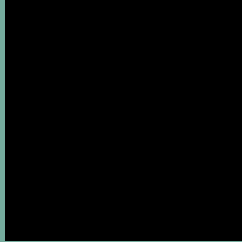
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 20.933, 175.806

Background



This preview shows how black text looks on a background with the CIELCh color 66, 20.933, 175.806.

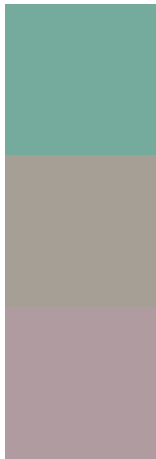


This preview shows how white text looks on a background with the CIELCh color 66, 20.933, 175.806.

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, 20.933, 175.806

Protanopia
66, 5.487, 84.246

Deuteranopia
66, 8.228, 0.553



Tritanopia
66, 16.743, 226.117

Trichromacy



Original Color
66, 20.933, 175.806

Protanomaly
66, 8.013, 155.051

Deuteranomaly
66, 2.885, 176.713

Tritanomaly
66, 16.582, 205.808

Monochromacy



Original Color
66, 20.933, 175.806

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 8.278, 174.870

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 20.933, 175.806 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(117, 171, 157)` looks like.

```
.text, #text, p{  
    color:rgb(117, 171, 157)  
}
```

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(117, 171, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 171, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 20.933, 175.806 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(117, 171, 157) }
```

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

```
.border{ border-color:rgb(117, 171, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 171, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 171, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 171, 157);  
box-shadow:4px 4px 4px 4px rgb(117, 171,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 20.933, 175.806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 171, 157) }
```

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

```
.background{ background-color: rgb(117,  
171, 157) }
```

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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