

Converting Colors

CIELCh(66, 20.686, 165.297)

Have a look what the booklet for
CIELCh(66, 20.686, 165.297)
contains.

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Color

CIELCh(66, 20.705, 165.281)

Conversions

Conversions Part 1

Format	Color
Hex	7BAA96
RGB	123, 170, 150
RGB Percent	48%, 67%, 59%
CMY	0.5164, 0.3320, 0.4105
CMYK	0.28, 0.00, 0.12, 0.33
HSL	154°, 22%, 58%
HSV	154°, 28%, 67%
XYZ	28.1847, 35.3238, 34.3260
YIQ	153.6670, -21.5920, -16.1840

Conversions

Conversions Part 2

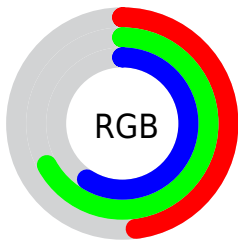
Format	Color
RYB	123, 153, 170
Decimal	8104598
CIELab	66.00, -20.03, 5.26
CIElCh	66, 20.705, 165.281
Yxy	35.3238, 0.2881, 0.3611
Android (android.graphics.Color)	4286294678 (0xFF7BAA96)
YUV	153.6670, -1.8078, -26.8950
Hunter-Lab	59.4338, -19.3609, 7.3608

Details

The CIELCh color $66, 20.705, 165.281$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $57, 21.722, 350.549$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 20.625, 165.677$, and $46, 20.898, 164.426$ is the 20% darker color. If you saturate the color by 10%, you get $65, 27.869, 164.143$, and if you desaturate by 10%, it is $67, 13.299, 166.310$.

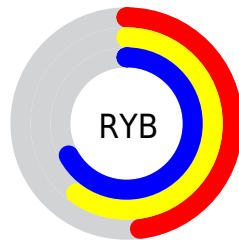
Distribution



Red (48%)

Green (67%)

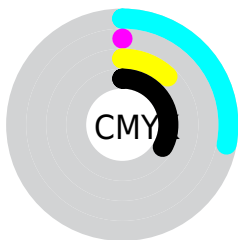
Blue (59%)



Red (48%)

Yellow (60%)

Blue (67%)

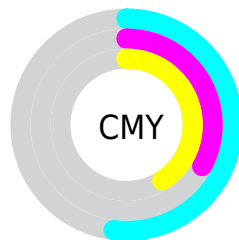


Cyan (28%)

Magenta (0%)

Yellow (12%)

Black (33%)



Cyan (52%)


Magenta (33%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 20.705, 165.281 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, 20.705, 165.281 by changing the saturation by 10% instead.


 66, 20.705,
165.281


 66, 20.705,
165.281


 100, 20.705,
165.281


 56, 20.705,
165.281


 86, 20.705,
165.281

 46, 20.705,
165.281

 96, 20.705,
165.281

 36, 20.705,
165.281

 26, 20.705,
165.281

 16, 20.705,
165.281

 6, 20.705, 165.281

 0, 20.705, 165.281

66, 20.705,
165.281

66, 20.705,
165.281

65, 27.869,
164.143

67, 13.299,
166.310

64, 34.666,
162.875

69, 5.757, 167.276

63, 40.973,
161.452

70, 1.825, 347.849

72, 9.372, 348.804

63, 46.680,
159.850

73, 16.825,
349.553

62, 51.706,
158.049

75, 24.144,
350.243

62, 56.021,
156.040


77, 31.300,
350.891

61, 59.698,
153.864

79, 36.858,
349.899

61, 60.550,

153.359

 79, 38.727,
344.904

Harmonies

Complementary

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



66, 20.705, 165.281



57, 21.722, 350.549

Rectangle

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



66, 20.705, 165.281



66, 20.705, 215.281



66, 20.705, 345.281



66, 20.705, 35.281

Sweetspot

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



66, 20.706, 165.279



87, 7.514, 167.223



67, 27.828, 130.135



46, 5.382, 167.081



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, 20.706, 165.279



83, 30.491, 164.612



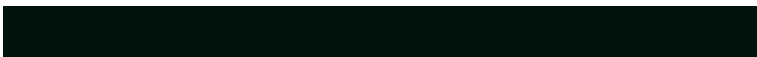
66, 15.316, 204.719



35, 4.245, 167.114



54, 54.279, 153.649



5, 8.189, 163.538

Inverse Universe

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



57, 21.722, 350.549



70, 32.319, 351.280



57, 18.514, 26.797



33, 4.316, 348.623



31, 56.269, 8.212



2, 7.488, 351.528

Previews

White Background



This preview shows how the CIELCh color 66, 20.705, 165.281 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, 20.705, 165.281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

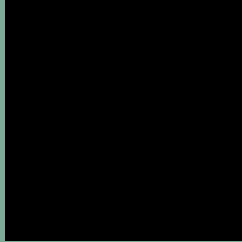
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 20.705, 165.281

Background



This preview shows how black text looks on a background with the CIELCh color 66, 20.705, 165.281.

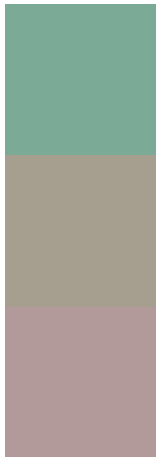


This preview shows how white text looks on a background with the CIELCh color 66, 20.705, 165.281.

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, 20.705, 165.281

Protanopia
66, 8.731, 90.682

Deuteranopia
66, 9.442, 20.243



Tritanopia
66, 14.385, 228.742

Trichromacy



Original Color
66, 20.705, 165.281

Protanomaly
66, 10.709, 137.300

Deuteranomaly
66, 3.951, 121.026

Tritanomaly
66, 14.433, 200.427

Monochromacy



Original Color
66, 20.705, 165.281

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 7.573, 167.817

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 20.705, 165.281 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(123, 170, 150)` looks like.

```
.text, #text, p{  
    color:rgb(123, 170, 150)  
}
```

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(123, 170, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 170, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 20.705, 165.281 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(123, 170, 150) }
```

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

```
.border{ border-color:rgb(123, 170, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 170, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 170, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 170, 150);  
box-shadow:4px 4px 4px 4px rgb(123, 170,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 20.705, 165.281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 170, 150) }
```

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

```
.background{ background-color: rgb(123,  
170, 150) }
```

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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