

Converting Colors

CIELCh(65, 28.396, 163.093)

Have a look what the booklet for
CIELCh(65, 28.396, 163.093)
contains.

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Color

CIELCh(65, 28.719, 162.918)

Conversions

Conversions Part 1

Format	Color
Hex	6AAB8E
RGB	106, 171, 142
RGB Percent	42%, 67%, 56%
CMY	0.5851, 0.3302, 0.4439
CMYK	0.38, 0.00, 0.17, 0.33
HSL	153°, 28%, 54%
HSV	153°, 38%, 67%
XYZ	25.3119, 34.0472, 30.7512
YIQ	148.2590, -29.4310, -22.7990

Conversions

Conversions Part 2

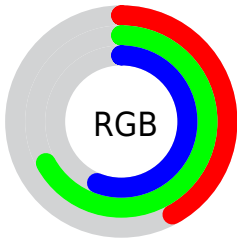
Format	Color
RYB	106, 148, 171
Decimal	6990734
CIELab	65.00, -27.45, 8.44
CIELCh	65, 28.719, 162.918
Yxy	34.0472, 0.2809, 0.3778
Android (android.graphics.Color)	4285180814 (0xFF6AAB8E)
YUV	148.2590, -3.0857, -37.0611
Hunter-Lab	58.3500, -24.6802, 9.5983

Details

The CIELCh color **65, 28.719, 162.918** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **53, 30.477, 350.579**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 28.714, 162.907**, and **45, 28.454, 163.348** is the 20% darker color. If you saturate the color by 10%, you get **64, 35.658, 161.645**, and if you desaturate by 10%, it is **66, 21.417, 164.054**.

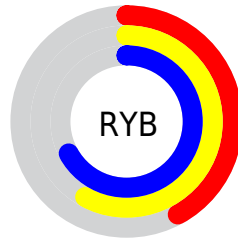
Distribution



Red (42%)

Green (67%)

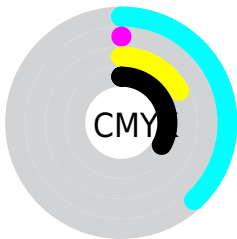
Blue (56%)



Red (42%)

Yellow (58%)

Blue (67%)

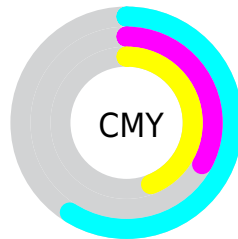


Cyan (38%)

Magenta (0%)

Yellow (17%)

Black (33%)



Cyan (59%)


Magenta (33%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 28.719, 162.918 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 65, 28.719, 162.918 by changing the saturation by 10% instead.


 65, 28.719,
162.918


 65, 28.719,
162.918


 100, 28.719,
162.918


 55, 28.719,
162.918


 85, 28.719,
162.918


 45, 28.719,
162.918


 95, 28.719,
162.918

 35, 28.719,
162.918

 25, 28.719,
162.918

 15, 28.719,
162.918

 5, 28.719, 162.918

 0, 28.719, 162.918

■ 65, 28.719,
162.918

■ 65, 28.719,
162.918

■ 64, 35.658,
161.645

■ 66, 21.417,
164.054

■ 63, 42.105,
160.213

■ 67, 13.874,
165.082

■ 63, 47.949,
158.598

■ 69, 6.202, 166.038

■ 62, 53.108,
156.781

■ 70, 1.504, 346.568

■ 72, 9.166, 347.553

■ 62, 57.549,
154.757

■ 74, 16.728,
348.290

■ 62, 61.359,
152.576

■ 75, 24.147,
348.968

■ 62, 62.076,
152.168

■ 77, 31.394,
349.600

■ 79, 37.089,
348.587

Harmonies

Complementary

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



65, 28.719, 162.918



53, 30.477, 350.579

Rectangle

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



65, 28.719, 162.918



65, 28.719, 212.918



65, 28.719, 342.918



65, 28.719, 32.918

Sweetspot

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



65, 28.720, 162.917



86, 10.477, 165.741



66, 38.116, 129.062



46, 7.095, 165.617



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



65, 28.720, 162.917



81, 42.327, 161.810



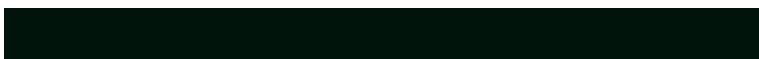
65, 20.602, 202.787



35, 4.306, 165.922



54, 55.524, 152.464



5, 8.300, 162.525

Inverse Universe

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



53, 30.477, 350.579



63, 45.418, 351.828



53, 27.020, 26.514



33, 4.373, 347.411



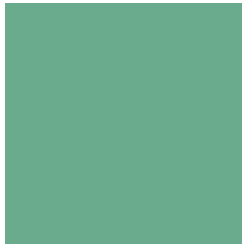
31, 56.245, 6.261



2, 7.570, 350.410

Previews

White Background



This preview shows how the CIELCh color 65, 28.719, 162.918 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 65, 28.719, 162.918 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 65, 28.719, 162.918

Background



This preview shows how black text looks on a background with the CIELCh color 65, 28.719, 162.918.

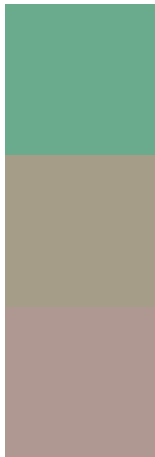


This preview shows how white text looks on a background with the CIELCh color 65, 28.719, 162.918.

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
65, 28.719, 162.918

Protanopia
65, 12.592, 93.924

Deuteranopia
65, 10.177, 39.171



Tritanopia
65, 18.440, 221.347

Trichromacy



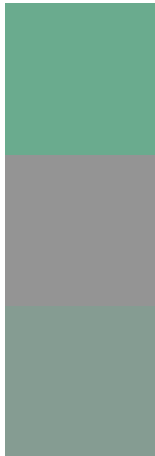
Original Color
65, 28.719, 162.918

Protanomaly
65, 15.777, 136.911

Deuteranomaly
64, 9.059, 132.108

Tritanomaly
65, 19.720, 192.851

Monochromacy



Original Color
65, 28.719, 162.918

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 10.450, 166.065

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 28.719, 162.918 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(106, 171, 142)` looks like.

```
.text, #text, p{  
    color:rgb(106, 171, 142)  
}
```

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(106, 171, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 171, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 28.719, 162.918 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(106, 171, 142) }
```

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

```
.border{ border-color:rgb(106, 171, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 171, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 171, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 171, 142);  
box-shadow:4px 4px 4px 4px rgb(106, 171,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 28.719, 162.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 171, 142) }
```

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

```
.background{ background-color: rgb(106,  
171, 142) }
```

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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