

Converting Colors

CIELCh(65, 10.580, 198.764)

Have a look what the booklet for
CIELCh(65, 10.580, 198.764)
contains.

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Color

CIELCh(65, 10.522, 198.526)

Conversions

Conversions Part 1

Format	Color
Hex	86A3A3
RGB	134, 163, 163
RGB Percent	53%, 64%, 64%
CMY	0.4734, 0.3596, 0.3596
CMYK	0.18, 0.00, 0.00, 0.36
HSL	180°, 14%, 58%
HSV	180°, 18%, 64%
XYZ	29.6652, 34.0472, 39.7982
YIQ	154.3290, -17.2840, -6.1480

Conversions

Conversions Part 2

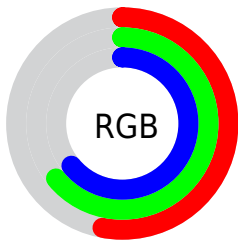
Format	Color
RYB	134, 149, 163
Decimal	8823715
CIELab	65.00, -9.98, -3.34
CIELCh	65, 10.522, 198.526
Yxy	34.0472, 0.2866, 0.3289
Android (android.graphics.Color)	4287013795 (0xFF86A3A3)
YUV	154.3290, 4.2748, -17.8285
Hunter-Lab	58.3500, -11.3629, 0.4056

Details

The CIELCh color $65, 10.522, 198.526$ is a light color, and the websafe version is hex 669999 . A complement of this color would be $59, 11.785, 20.589$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 10.423, 198.722$, and $45, 10.315, 198.248$ is the 20% darker color. If you saturate the color by 10%, you get $64, 15.910, 198.041$, and if you desaturate by 10%, it is $66, 4.725, 199.081$.

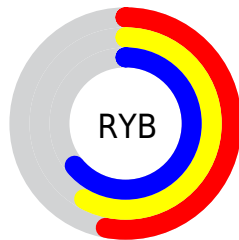
Distribution



Red (53%)

Green (64%)

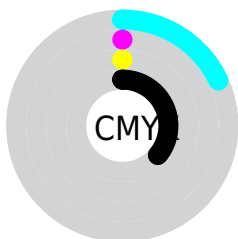
Blue (64%)



Red (53%)

Yellow (58%)

Blue (64%)

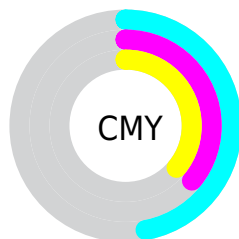


Cyan (18%)

Magenta (0%)

Yellow (0%)

Black (36%)



Cyan (47%)


Magenta (36%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 10.522, 198.526 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, 10.522, 198.526 by changing the saturation by 10% instead.


 65, 10.522,
198.526


 65, 10.522,
198.526


 100, 10.522,
198.526


 55, 10.522,
198.526


 85, 10.522,
198.526

 45, 10.522,
198.526

 95, 10.522,
198.526

 35, 10.522,
198.526

 25, 10.522,
198.526

 15, 10.522,
198.526

 5, 10.522, 198.526

 0, 10.522, 198.526

65, 10.522,
198.526

65, 10.522,
198.526

64, 15.910,
198.041

66, 4.725, 199.081

63, 20.791,
197.621

67, 1.391, 19.181

69, 7.740, 20.031

62, 25.073,
197.260

70, 14.249, 20.650

62, 28.674,
196.961

72, 20.858, 21.266

74, 27.516, 21.885

61, 31.540,
196.727

75, 34.186, 22.504

61, 33.647,
196.556

76, 36.796, 22.746

76, 36.795, 22.744

61, 35.016,
196.445

61, 35.765,

196.384

■ 61, 35.907,
196.373

Harmonies

Complementary

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



65, 10.522, 198.526



59, 11.785, 20.589

Rectangle

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



65, 10.522, 198.526



65, 10.522, 248.526



65, 10.522, 18.526



65, 10.522, 68.526

Sweetspot

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



65, 10.523, 198.519



84, 3.781, 199.274



64, 19.639, 142.937



45, 2.596, 199.221



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



65, 10.523, 198.519



82, 15.191, 198.339



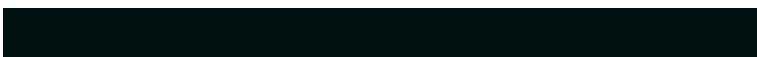
61, 9.449, 256.025



34, 3.428, 198.986



54, 32.968, 196.373



4, 5.463, 199.412

Inverse Universe

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



59, 11.785, 20.589



73, 17.447, 20.920



62, 9.933, 71.464



32, 3.629, 19.896



30, 68.060, 39.261



1, 5.464, 19.398

Previews

White Background



This preview shows how the CIELCh color 65, 10.522, 198.526 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 65, 10.522, 198.526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

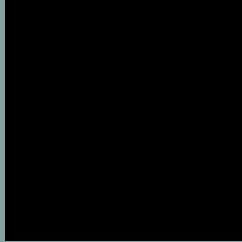
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

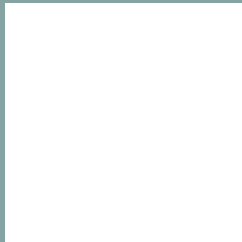
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 10.522, 198.526

Background



This preview shows how black text looks on a background with the CIELCh color 65, 10.522, 198.526.

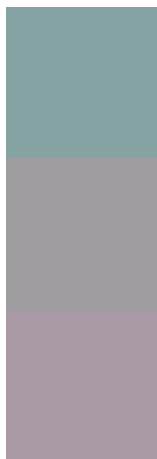


This preview shows how white text looks on a background with the CIELCh color 65, 10.522, 198.526.

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, 10.522, 198.526

Protanopia

65, 1.362, 324.350

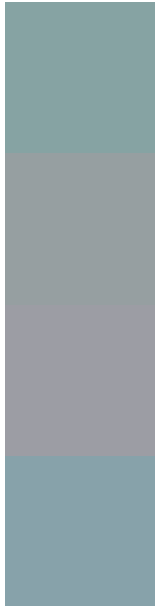
Deuteranopia

65, 9.066, 332.913



Tritanopia
65, 11.175, 235.602

Trichromacy



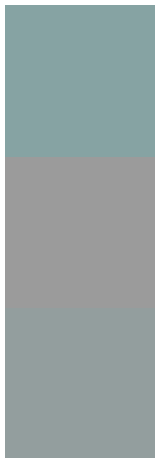
Original Color
65, 10.522, 198.526

Protanomaly
65, 3.529, 217.642

Deuteranomaly
65, 3.909, 285.107

Tritanomaly
65, 10.479, 223.925

Monochromacy



Original Color
65, 10.522, 198.526

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 4.132, 199.143

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 10.522, 198.526 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(134, 163, 163)` looks like.

```
.text, #text, p{  
    color:rgb(134, 163, 163)  
}
```

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(134, 163, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 163, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 10.522, 198.526 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(134, 163, 163) }
```

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

```
.border{ border-color:rgb(134, 163, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 163, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 163, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 163, 163);  
box-shadow:4px 4px 4px 4px rgb(134, 163,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 10.522, 198.526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 163, 163) }
```

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

```
.background{ background-color: rgb(134,  
163, 163) }
```

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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