

Converting Colors

CIELCh(65, 22.485, 206.212)

Have a look what the booklet for
CIELCh(65, 22.485, 206.212)
contains.

CIELCh(65, 22.486, 206.209)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(65, 22.486, 206.209)

Conversions

Conversions Part 1

Format	Color
Hex	64A9AF
RGB	100, 169, 175
RGB Percent	39%, 66%, 69%
CMY	0.6089, 0.3384, 0.3148
CMYK	0.43, 0.03, 0.00, 0.31
HSL	185°, 32%, 54%
HSV	185°, 43%, 69%
XYZ	27.0690, 34.0472, 45.5558
YIQ	149.0530, -43.0500, -12.7620

Conversions

Conversions Part 2

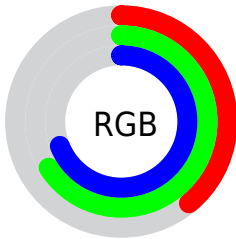
Format	Color
RYB	100, 136, 175
Decimal	6597039
CIELab	65.00, -20.17, -9.93
CIElCh	65, 22.486, 206.209
Yxy	34.0472, 0.2538, 0.3192
Android (android.graphics.Color)	4284787119 (0xFF64A9AF)
YUV	149.0530, 12.7919, -43.0195
Hunter-Lab	58.3500, -19.3048, -5.4447

Details

The CIELCh color **65, 22.486, 206.209** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **52, 30.847, 29.374**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 22.319, 206.144**, and **45, 22.478, 206.334** is the 20% darker color. If you saturate the color by 10%, you get **64, 26.282, 206.421**, and if you desaturate by 10%, it is **66, 18.042, 206.141**.

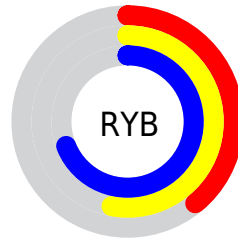
Distribution



Red (39%)

Green (66%)

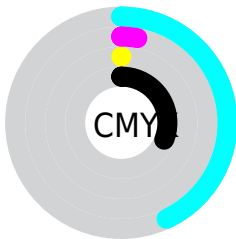
Blue (69%)



Red (39%)

Yellow (53%)

Blue (69%)

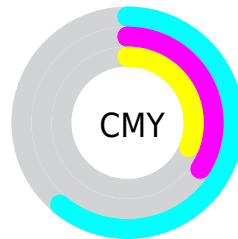


Cyan (43%)

Magenta (3%)

Yellow (0%)

Black (31%)



Cyan (61%)


Magenta (34%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 22.486, 206.209 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, 22.486, 206.209 by changing the saturation by 10% instead.


 65, 22.486,
206.209


 65, 22.486,
206.209


 100, 22.486,
206.209


 55, 22.486,
206.209


 85, 22.486,
206.209

 45, 22.486,
206.209

 95, 22.486,
206.209

 35, 22.486,
206.209

 25, 22.486,
206.209

 15, 22.486,
206.209

 5, 22.486, 206.209

 0, 22.486, 206.209

65, 22.486,
206.209

65, 22.486,
206.209

64, 26.282,
206.421

66, 18.042,
206.141

63, 29.353,
206.811

68, 13.043,
206.202

62, 31.651,
207.404

69, 7.585, 206.380

61, 33.167,
208.229

71, 1.760, 206.828

73, 4.345, 26.718

61, 33.944,
209.309

74, 10.657, 27.125

60, 34.206,
210.186

76, 17.114, 27.516

79, 23.665, 27.922

80, 29.476, 28.456

Harmonies

Complementary

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



65, 22.486, 206.209



52, 30.847, 29.374

Rectangle

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



65, 22.486, 206.209



65, 22.486, 256.209



65, 22.486, 26.209



65, 22.486, 76.209

Sweetspot

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



65, 22.486, 206.206



88, 9.429, 206.372



65, 47.774, 142.932



46, 6.610, 206.324



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



65, 22.486, 206.206



81, 31.947, 206.420



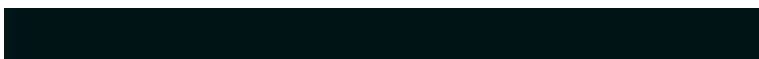
54, 26.067, 269.820



36, 3.334, 206.480



52, 30.667, 210.004



5, 7.009, 210.152

Inverse Universe

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



53, 47.222, 329.089



64, 69.388, 329.622



61, 27.989, 76.683



34, 6.240, 327.171



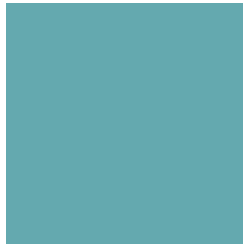
35, 73.293, 331.635



2, 12.799, 327.730

Previews

White Background



This preview shows how the CIELCh color 65, 22.486, 206.209 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, 22.486, 206.209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

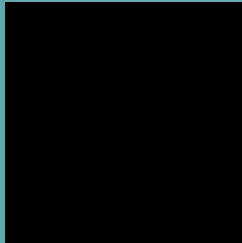
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 22.486, 206.209

Background



This preview shows how black text looks on a background with the CIELCh color 65, 22.486, 206.209.



This preview shows how white text looks on a background with the CIELCh color 65, 22.486, 206.209.

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





Tritanopia
65, 22.016, 217.115

Trichromacy



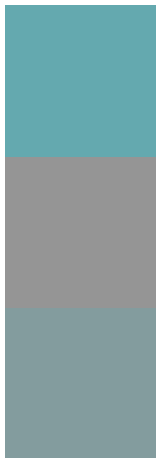
Original Color
65, 22.486, 206.209

Protanomaly
65, 10.103, 228.611

Deuteranomaly
65, 12.062, 255.536

Tritanomaly
65, 22.107, 213.930

Monochromacy



Original Color
65, 22.486, 206.209

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 9.180, 205.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 22.486, 206.209 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(100, 169, 175)` looks like.

```
.text, #text, p{  
    color:rgb(100, 169, 175)  
}
```

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(100, 169, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 169, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 22.486, 206.209 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(100, 169, 175) }
```

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

```
.border{ border-color:rgb(100, 169, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 169, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 169, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 169, 175);  
box-shadow:4px 4px 4px 4px rgb(100, 169,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 22.486, 206.209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 169, 175) }
```

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

```
.background{ background-color: rgb(100,  
169, 175) }
```

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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