

Converting Colors

CIELCh(65, 27.976, 222.186)

Have a look what the booklet for
CIELCh(65, 27.976, 222.186)
contains.

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Color

CIELCh(65, 27.885, 221.220)

Conversions

Conversions Part 1

Format	Color
Hex	50AABE
RGB	80, 170, 190
RGB Percent	31%, 67%, 75%
CMY	0.6874, 0.3344, 0.2560
CMYK	0.58, 0.11, 0.00, 0.26
HSL	191°, 46%, 53%
HSV	191°, 58%, 74%
XYZ	26.8719, 34.0472, 53.7142
YIQ	145.3700, -60.0600, -12.8600

Conversions

Conversions Part 2

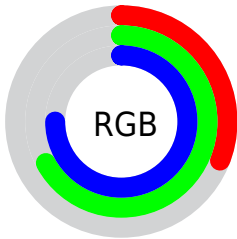
Format	Color
RYB	80, 130, 190
Decimal	5286590
CIELab	65.00, -20.97, -18.37
CIELCh	65, 27.885, 221.220
Yxy	34.0472, 0.2344, 0.2970
Android (android.graphics.Color)	4283476670 (0xFF50AABE)
YUV	145.3700, 22.0026, -57.3295
Hunter-Lab	58.3500, -19.9079, -13.7346

Details

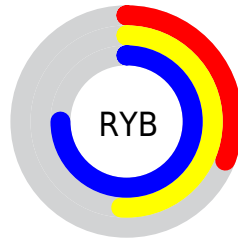
The CIELCh color **65, 27.885, 221.220** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **52, 43.926, 38.881**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 27.871, 221.404**, and **45, 27.570, 221.522** is the 20% darker color. If you saturate the color by 10%, you get **63, 30.662, 222.886**, and if you desaturate by 10%, it is **67, 24.389, 219.951**.

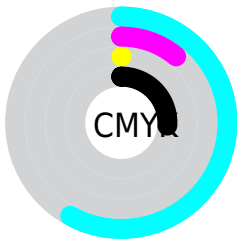
Distribution



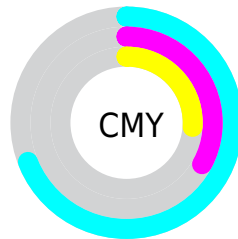
- Red (31%)
- Green (67%)
- Blue (75%)



- Red (31%)
- Yellow (51%)
- Blue (75%)



- Cyan (58%)
- Magenta (11%)
- Yellow (0%)
- Black (26%)





- Cyan (69%)
- Magenta (33%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 27.885, 221.220 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, 27.885, 221.220 by changing the saturation by 10% instead.


 65, 27.885,
221.220


 65, 27.885,
221.220


 100, 27.885,
221.220


 55, 27.885,
221.220


 85, 27.885,
221.220

 45, 27.885,
221.220

 95, 27.885,
221.220

 35, 27.885,
221.220

 25, 27.885,
221.220

 15, 27.885,
221.220

 5, 27.885, 221.220

 0, 27.885, 221.220

65, 27.885,
221.220

65, 27.885,
221.220

63, 30.662,
222.886

67, 24.389,
219.951

62, 32.701,
225.030

69, 20.238,
219.012

61, 34.035,
227.723

71, 15.513,
218.339

59, 34.803,
230.972

73, 10.305,
217.885

59, 34.943,
231.644

75, 4.703, 217.639

77, 1.208, 36.914

80, 7.357, 37.199

82, 13.682, 37.231

85, 20.133, 37.300

Harmonies

Complementary

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



65, 27.885, 221.220



52, 43.926, 38.881

Rectangle

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



65, 27.885, 221.220



65, 27.885, 271.220



65, 27.885, 41.220



65, 27.885, 91.220

Sweetspot

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



65, 27.884, 221.219



93, 12.104, 217.860



69, 62.844, 144.008



49, 8.112, 217.933



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



65, 27.884, 221.219



80, 38.304, 223.506



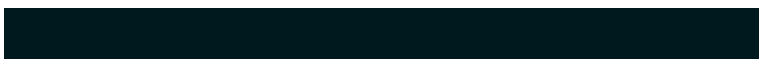
49, 43.494, 282.381



39, 3.310, 217.656



50, 30.514, 231.102



7, 9.560, 225.384

Inverse Universe

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



51, 61.521, 333.674



61, 87.132, 334.627



65, 43.436, 83.396



37, 6.232, 330.437



36, 70.299, 336.939



3, 17.945, 333.231

Previews

White Background



This preview shows how the CIELCh color 65, 27.885, 221.220 looks on a white background.

Color Contrast Check

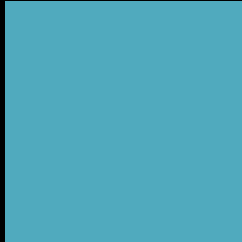
Large Text (above 18pt) WCAG AA × Fail

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, 27.885, 221.220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

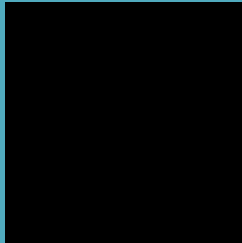
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 27.885, 221.220

Background



This preview shows how black text looks on a background with the CIELCh color 65, 27.885, 221.220.



This preview shows how white text looks on a background with the CIELCh color 65, 27.885, 221.220.

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, 27.885, 221.220

Protanopia

65, 13.405, 285.484

Deuteranopia

65, 21.725, 292.446



Tritanopia
65, 27.989, 212.413

Trichromacy



Original Color
65, 27.885, 221.220



Protanomaly
64, 17.031, 247.825



Deuteranomaly
65, 20.456, 260.019



Tritanomaly
65, 27.876, 214.929

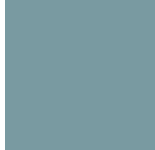
Monochromacy



Original Color
65, 27.885, 221.220



Achromatopsia
60, 0.008, 296.813



Achromatomaly
61, 12.238, 217.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 27.885, 221.220 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(80, 170, 190)` looks like.

```
.text, #text, p{  
    color:rgb(80, 170, 190)  
}
```

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(80, 170, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 170, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 27.885, 221.220 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(80, 170, 190) }
```

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

```
.border{ border-color:rgb(80, 170, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 170, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 170, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 170, 190);  
box-shadow:4px 4px 4px 4px rgb(80, 170,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 27.885, 221.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 170, 190) }
```

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

```
.background{ background-color: rgb(80, 170,  
190) }
```

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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