

Converting Colors

CIELCh(65, 28.688, 224.696)

Have a look what the booklet for
CIELCh(65, 28.688, 224.696)
contains.

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Color

CIELCh(65, 28.781, 224.148)

Conversions

Conversions Part 1

Format	Color
Hex	4DAAC1
RGB	77, 170, 193
RGB Percent	30%, 67%, 76%
CMY	0.6993, 0.3344, 0.2443
CMYK	0.60, 0.12, 0.00, 0.24
HSL	192°, 48%, 53%
HSV	192°, 60%, 76%
XYZ	26.9513, 34.0472, 55.4367
YIQ	144.8150, -62.8110, -12.5630

Conversions

Conversions Part 2

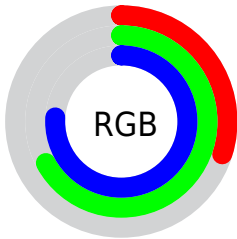
Format	Color
RYB	77, 129, 193
Decimal	5089985
CIELab	65.00, -20.65, -20.05
CIELCh	65, 28.781, 224.148
Yxy	34.0472, 0.2315, 0.2924
Android (android.graphics.Color)	4283280065 (0xFF4DAAC1)
YUV	144.8150, 23.7552, -59.4738
Hunter-Lab	58.3500, -19.6648, -15.4848

Details

The CIELCh color **65, 28.781, 224.148** is a dark color, and the websafe version is hex **339999**. The color can be described as middle muted azure. A complement of this color would be **53, 46.119, 40.348**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 28.715, 224.178**, and **45, 27.767, 224.154** is the 20% darker color. If you saturate the color by 10%, you get **63, 31.464, 226.120**, and if you desaturate by 10%, it is **67, 25.384, 222.625**.

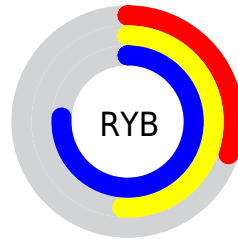
Distribution



Red (30%)

Green (67%)

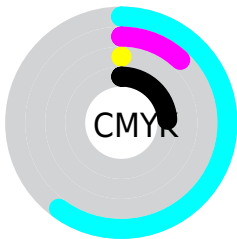
Blue (76%)



Red (30%)

Yellow (51%)

Blue (76%)

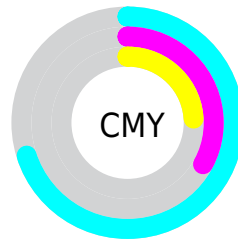


Cyan (60%)

Magenta (12%)

Yellow (0%)

Black (24%)



Cyan (70%)

Magenta (33%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 28.781, 224.148 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, 28.781, 224.148 by changing the saturation by 10% instead.

 65, 28.781,
224.148

 65, 28.781,
224.148


 100, 28.781,
224.148


 55, 28.781,
224.148


 85, 28.781,
224.148

 45, 28.781,
224.148

 95, 28.781,
224.148

 35, 28.781,
224.148

 25, 28.781,
224.148

 15, 28.781,
224.148

 5, 28.781, 224.148

 0, 28.781, 224.148

65, 28.781,
224.148

65, 28.781,
224.148

63, 31.464,
226.120

67, 25.384,
222.625

62, 33.429,
228.627

69, 21.325,
221.475

60, 34.731,
231.738

71, 16.682,
220.626

59, 35.569,
235.291

73, 11.543,
220.023

75, 5.996, 219.636

78, 0.127, 223.444

80, 5.994, 39.009

83, 12.301, 38.974

86, 18.743, 38.976

Harmonies

Complementary

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



65, 28.781, 224.148



53, 46.119, 40.348

Rectangle

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



65, 28.781, 224.148



65, 28.781, 274.148



65, 28.781, 44.148



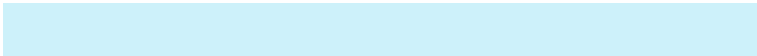
65, 28.781, 94.148

Sweetspot

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



65, 28.780, 224.147



93, 12.772, 219.932



70, 64.979, 144.209



49, 8.794, 220.074



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, 28.780, 224.147



80, 39.041, 226.795



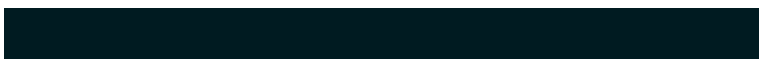
49, 46.959, 284.234



40, 3.353, 219.615



50, 31.044, 234.711



8, 10.396, 227.008

Inverse Universe

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



51, 63.492, 334.517



61, 88.369, 335.529



66, 46.119, 84.440



38, 6.297, 331.012



36, 70.256, 337.919



4, 20.066, 334.455

Previews

White Background



This preview shows how the CIELCh color 65, 28.781, 224.148 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, 28.781, 224.148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

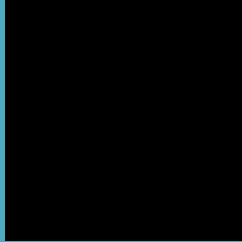
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 28.781, 224.148

Background



This preview shows how black text looks on a background with the CIELCh color 65, 28.781, 224.148.



This preview shows how white text looks on a background with the CIELCh color 65, 28.781, 224.148.

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, 28.781, 224.148

Protanopia
65, 15.612, 287.932

Deuteranopia
65, 23.388, 290.952



Tritanopia
65, 28.946, 213.005

Trichromacy



Original Color
65, 28.781, 224.148



Protanomaly
64, 18.619, 253.113



Deuteranomaly
65, 22.106, 261.330



Tritanomaly
65, 28.906, 216.597

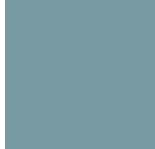
Monochromacy



Original Color
65, 28.781, 224.148



Achromatopsia
60, 0.008, 296.813



Achromatomaly
61, 12.681, 219.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 28.781, 224.148 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(77, 170, 193)` looks like.

```
.text, #text, p{  
    color:rgb(77, 170, 193)  
}
```

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(77, 170, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 170, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 28.781, 224.148 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(77, 170, 193) }
```

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

```
.border{ border-color:rgb(77, 170, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 170, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 170, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 170, 193);  
box-shadow:4px 4px 4px 4px rgb(77, 170,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 28.781, 224.148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 170, 193) }
```

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

```
.background{ background-color: rgb(77, 170,  
193) }
```

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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