

Converting Colors

CIELCh(65, 28.664, 187.996)

Have a look what the booklet for
CIELCh(65, 28.664, 187.996)
contains.

CIELCh(65, 28.671, 188.018)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(65, 28.671, 188.018)

Conversions

Conversions Part 1

Format	Color
Hex	54ACA4
RGB	84, 172, 164
RGB Percent	33%, 67%, 64%
CMY	0.6708, 0.3257, 0.3570
CMYK	0.51, 0.00, 0.05, 0.33
HSL	175°, 35%, 50%
HSV	175°, 51%, 67%
XYZ	25.0909, 34.0472, 40.3484
YIQ	144.7760, -49.8800, -21.1440

Conversions

Conversions Part 2

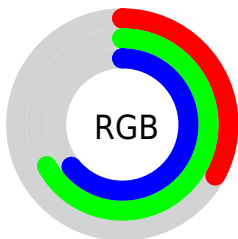
Format	Color
RYB	84, 130, 172
Decimal	5549220
CIELab	65.00, -28.39, -4.00
CIElCh	65, 28.671, 188.018
Yxy	34.0472, 0.2522, 0.3422
Android (android.graphics.Color)	4283739300 (0xFF54ACA4)
YUV	144.7760, 9.4774, -53.3006
Hunter-Lab	58.3500, -25.3560, -0.1534

Details

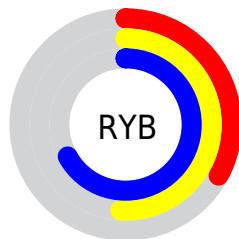
The CIELCh color **65, 28.671, 188.018** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **47, 38.773, 18.589**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 28.778, 187.918**, and **45, 28.674, 187.853** is the 20% darker color. If you saturate the color by 10%, you get **64, 32.548, 187.199**, and if you desaturate by 10%, it is **66, 24.098, 188.806**.

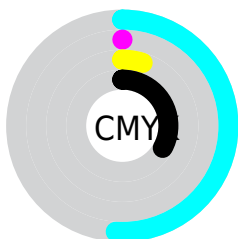
Distribution



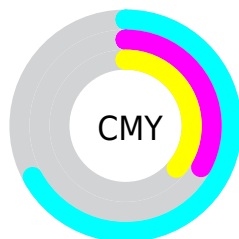
- Red (33%)
- Green (67%)
- Blue (64%)



- Red (33%)
- Yellow (51%)
- Blue (67%)



- Cyan (51%)
- Magenta (0%)
- Yellow (5%)
- Black (33%)





- Cyan (67%)
- Magenta (33%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 28.671, 188.018 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, 28.671, 188.018 by changing the saturation by 10% instead.


 65, 28.671,
188.018


 65, 28.671,
188.018


 100, 28.671,
188.018


 55, 28.671,
188.018


 85, 28.671,
188.018

 45, 28.671,
188.018

 95, 28.671,
188.018

 35, 28.671,
188.018

 25, 28.671,
188.018

 15, 28.671,
188.018

 5, 28.671, 188.018

 0, 28.671, 188.018

65, 28.671,
188.018

65, 28.671,
188.018

64, 32.548,
187.199

66, 24.098,
188.806

64, 35.666,
186.339

67, 18.918,
189.579

64, 38.004,
185.422

68, 13.233,
190.346

63, 39.588,
184.430

69, 7.149, 191.125

63, 40.538,
183.507

70, 0.766, 192.428

72, 5.826, 12.455

73, 12.549, 13.230

75, 19.340, 13.966

77, 26.149, 14.687

Harmonies

Complementary

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



65, 28.671, 188.018



47, 38.773, 18.589

Rectangle

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



65, 28.671, 188.018



65, 28.671, 238.018



65, 28.671, 8.018



65, 28.671, 58.018

Sweetspot

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



65, 28.671, 188.016



87, 11.807, 190.802



64, 56.442, 138.237



46, 8.007, 190.645



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, 28.671, 188.016



82, 40.092, 187.122



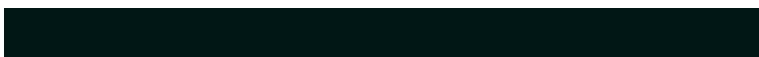
55, 25.146, 252.636



36, 3.659, 191.278



56, 36.704, 183.633



6, 7.959, 188.732

Inverse Universe

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



47, 38.773, 18.589



56, 58.254, 21.372



55, 32.168, 59.005



34, 3.839, 12.566



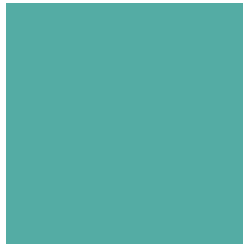
31, 66.685, 35.569



2, 7.858, 13.259

Previews

White Background



This preview shows how the CIE LCh color 65, 28.671, 188.018 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, 28.671, 188.018 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

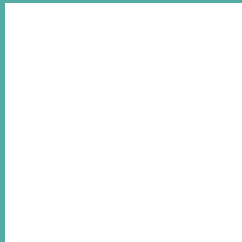
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 28.671, 188.018

Background



This preview shows how black text looks on a background with the CIELCh color 65, 28.671, 188.018.

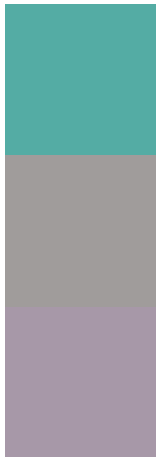


This preview shows how white text looks on a background with the CIELCh color 65, 28.671, 188.018.

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, 28.671, 188.018

Protanopia
65, 1.631, 39.132

Deuteranopia
65, 10.600, 323.211



Tritanopia
65, 25.121, 215.777

Trichromacy



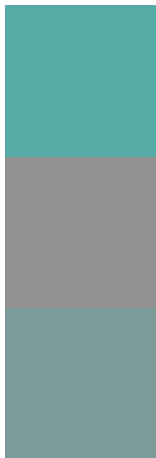
Original Color
65, 28.671, 188.018

Protanomaly
64, 11.271, 186.994

Deuteranomaly
64, 8.989, 228.696

Tritanomaly
65, 25.667, 204.893

Monochromacy



Original Color
65, 28.671, 188.018

Achromatopsia
60, 0.008, 296.813

Achromatomaly
62, 11.885, 190.157

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 28.671, 188.018 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(84, 172, 164)` looks like.

```
.text, #text, p{  
    color:rgb(84, 172, 164)  
}
```

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(84, 172, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 172, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 28.671, 188.018 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(84, 172, 164) }
```

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

```
.border{ border-color:rgb(84, 172, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 172, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 172, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 172, 164);  
box-shadow:4px 4px 4px 4px rgb(84, 172,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 28.671, 188.018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 172, 164) }
```

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

```
.background{ background-color: rgb(84, 172,  
164) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor