

Converting Colors

CIELCh(65, 29.171, 193.689)

Have a look what the booklet for
CIELCh(65, 29.171, 193.689)
contains.

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Color

CIELCh(65, 29.171, 193.689)

Conversions

Conversions Part 1

Format	Color
Hex	4EACA9
RGB	78, 172, 169
RGB Percent	31%, 67%, 66%
CMY	0.6936, 0.3250, 0.3368
CMYK	0.55, 0.00, 0.02, 0.32
HSL	178°, 38%, 49%
HSV	178°, 55%, 68%
XYZ	25.1023, 34.0472, 42.8453
YIQ	143.5520, -55.0610, -20.8610

Conversions

Conversions Part 2

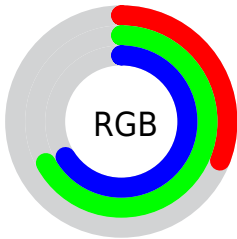
Format	Color
RYB	78, 126, 172
Decimal	5156009
CIELab	65.00, -28.34, -6.90
CIELCh	65, 29.171, 193.689
Yxy	34.0472, 0.2461, 0.3338
Android (android.graphics.Color)	4283346089 (0xFF4EACA9)
YUV	143.5520, 12.5459, -57.4891
Hunter-Lab	58.3500, -25.3213, -2.6906

Details

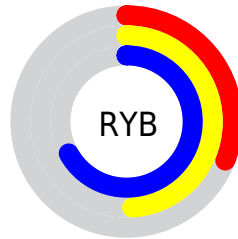
The CIELCh color **65, 29.171, 193.689** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **45, 42.340, 23.708**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 29.355, 193.287**, and **45, 28.876, 193.934** is the 20% darker color. If you saturate the color by 10%, you get **64, 32.514, 193.208**, and if you desaturate by 10%, it is **66, 25.081, 194.193**.

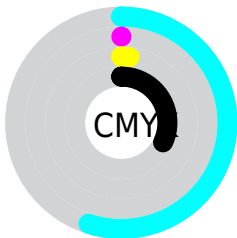
Distribution



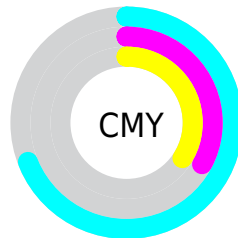
- Red (31%)
- Green (67%)
- Blue (66%)



- Red (31%)
- Yellow (49%)
- Blue (67%)



- Cyan (55%)
- Magenta (0%)
- Yellow (2%)
- Black (32%)



- Cyan (69%)
- Magenta (33%)
- Yellow (34%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 29.171, 193.689 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, 29.171, 193.689 by changing the saturation by 10% instead.

 65, 29.171,
193.689


 65, 29.171,
193.689


 100, 29.171,
193.689

 55, 29.171,
193.689


 85, 29.171,
193.689

 45, 29.171,
193.689

 95, 29.171,
193.689

 35, 29.171,
193.689

 25, 29.171,
193.689

 15, 29.171,
193.689

 5, 29.171, 193.689

 0, 29.171, 193.689

65, 29.171,
193.689

65, 29.171,
193.689

64, 32.514,
193.208

66, 25.081,
194.193

64, 35.069,
192.751

66, 20.317,
194.729

64, 36.839,
192.305

67, 14.973,
195.297

64, 37.878,
191.862

69, 9.151, 195.904

64, 38.276,
191.623

70, 2.952, 196.626

71, 3.528, 16.949

73, 10.206, 17.681

74, 17.009, 18.351

76, 23.879, 19.015

Harmonies

Complementary

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



65, 29.171, 193.689



45, 42.340, 23.708

Rectangle

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



65, 29.171, 193.689



65, 29.171, 243.689



65, 29.171, 13.689



65, 29.171, 63.689

Sweetspot

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



65, 29.171, 193.687



87, 12.384, 195.798



63, 61.011, 139.298



46, 8.305, 195.676



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, 29.171, 193.687



82, 40.528, 193.089



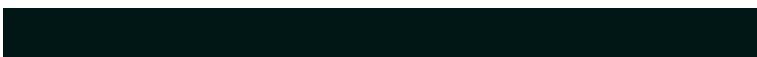
52, 28.677, 262.171



36, 3.615, 196.253



56, 34.657, 191.673



6, 7.826, 195.519

Inverse Universe

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



45, 42.340, 23.708



54, 64.829, 27.128



55, 34.778, 65.363



34, 3.818, 17.320



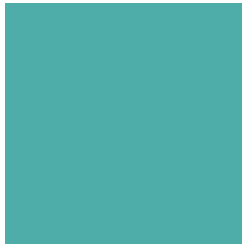
31, 68.820, 38.162



2, 7.811, 17.235

Previews

White Background



This preview shows how the CIELCh color 65, 29.171, 193.689 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, 29.171, 193.689 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, 29.171, 193.689

Background



This preview shows how black text looks on a background with the CIELCh color 65, 29.171, 193.689.

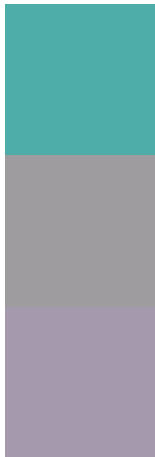


This preview shows how white text looks on a background with the CIELCh color 65, 29.171, 193.689.

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, 29.171, 193.689

Protanopia
65, 2.041, 324.437

Deuteranopia
65, 11.918, 311.279



Tritanopia
65, 26.618, 214.600

Trichromacy



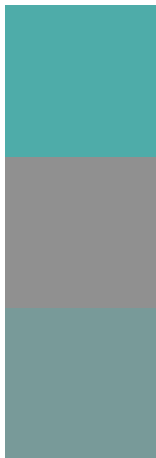
Original Color
65, 29.171, 193.689

Protanomaly
64, 11.520, 201.225

Deuteranomaly
64, 11.461, 234.612

Tritanomaly
65, 27.168, 206.784

Monochromacy



Original Color
65, 29.171, 193.689

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 12.369, 195.684

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 29.171, 193.689 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(78, 172, 169)` looks like.

```
.text, #text, p{  
    color:rgb(78, 172, 169)  
}
```

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(78, 172, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 172, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 29.171, 193.689 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(78, 172, 169) }
```

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

```
.border{ border-color:rgb(78, 172, 169) }
```

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

Here you see how a box with a 4 pixel rgb(78, 172, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 172, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 172, 169);  
box-shadow:4px 4px 4px 4px rgb(78, 172,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 29.171, 193.689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 172, 169) }
```

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

```
.background{ background-color: rgb(78, 172,  
169) }
```

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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