

Converting Colors

CIELCh(65, 29.856, 197.121)

Have a look what the booklet for
CIELCh(65, 29.856, 197.121)
contains.

CIELCh(65, 29.801, 196.971)	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, 29.801, 196.971)

Conversions

Conversions Part 1

Format	Color
Hex	49ACAC
RGB	73, 172, 172
RGB Percent	29%, 67%, 67%
CMY	0.7123, 0.3242, 0.3243
CMYK	0.57, 0.00, 0.00, 0.32
HSL	180°, 40%, 48%
HSV	180°, 57%, 68%
XYZ	25.0645, 34.0472, 44.4391
YIQ	142.3990, -59.0040, -20.9880

Conversions

Conversions Part 2

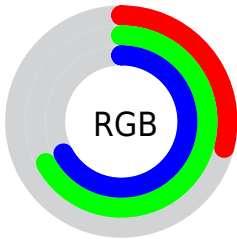
Format	Color
RYB	73, 123, 172
Decimal	4828332
CIELab	65.00, -28.50, -8.70
CIELCh	65, 29.801, 196.971
Yxy	34.0472, 0.2421, 0.3288
Android (android.graphics.Color)	4283018412 (0xFF49ACAC)
YUV	142.3990, 14.5933, -60.8629
Hunter-Lab	58.3500, -25.4368, -4.3101

Details

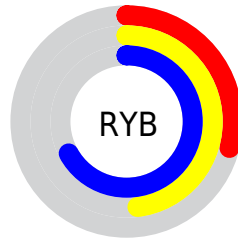
The CIELCh color **65, 29.801, 196.971** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **44, 45.388, 26.635**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 30.020, 196.389**, and **45, 28.372, 197.634** is the 20% darker color. If you saturate the color by 10%, you get **65, 32.801, 196.734**, and if you desaturate by 10%, it is **66, 26.029, 197.270**.

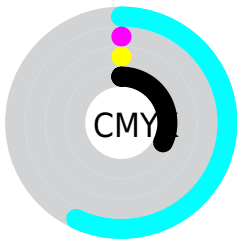
Distribution



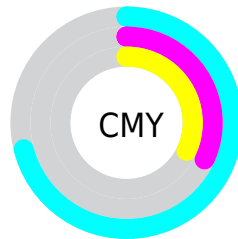
- Red (29%)
- Green (67%)
- Blue (67%)



- Red (29%)
- Yellow (48%)
- Blue (67%)



- Cyan (57%)
- Magenta (0%)
- Yellow (0%)
- Black (32%)





- Cyan (71%)
- Magenta (32%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 29.801, 196.971 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, 29.801, 196.971 by changing the saturation by 10% instead.


 65, 29.801,
196.971


 65, 29.801,
196.971


 100, 29.801,
196.971


 55, 29.801,
196.971


 85, 29.801,
196.971

 45, 29.801,
196.971

 95, 29.801,
196.971

 35, 29.801,
196.971

 25, 29.801,
196.971

 15, 29.801,
196.971

 5, 29.801, 196.971

 0, 29.801, 196.971

65, 29.801,
196.971

65, 29.801,
196.971

65, 32.801,
196.734

66, 26.029,
197.270

64, 35.005,
196.562

66, 21.545,
197.633

64, 36.436,
196.451

67, 16.434,
198.055

64, 37.200,
196.392

68, 10.793,
198.537

64, 37.360,
196.380

69, 4.725, 199.105

71, 1.675, 19.250

72, 8.316, 20.059

74, 15.122, 20.680

76, 22.030, 21.299

Harmonies

Complementary

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



65, 29.801, 196.971



44, 45.388, 26.635

Rectangle

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



65, 29.801, 196.971



65, 29.801, 246.971



65, 29.801, 16.971



65, 29.801, 66.971

Sweetspot

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



65, 29.801, 196.969



87, 13.057, 198.543



63, 64.091, 139.313



46, 8.671, 198.446



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, 29.801, 196.969



82, 40.799, 196.679



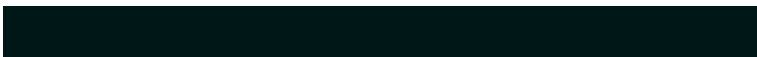
51, 30.724, 264.999



36, 3.603, 198.985



56, 33.809, 196.380



6, 7.801, 199.416

Inverse Universe

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



44, 45.388, 26.635



53, 69.097, 30.230



55, 36.932, 66.668



34, 3.818, 19.906



31, 69.981, 39.445



2, 7.802, 19.402

Previews

White Background



This preview shows how the CIELCh color 65, 29.801, 196.971 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, 29.801, 196.971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

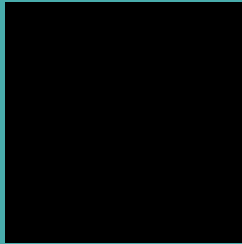
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

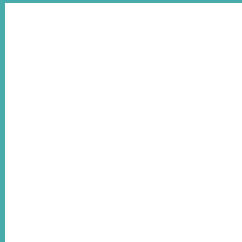
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 29.801, 196.971

Background



This preview shows how black text looks on a background with the CIELCh color 65, 29.801, 196.971.

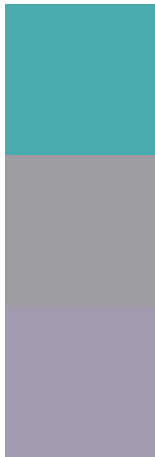


This preview shows how white text looks on a background with the CIELCh color 65, 29.801, 196.971.

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, 29.801, 196.971

Protanopia
65, 3.439, 303.229

Deuteranopia
65, 13.921, 306.776



Tritanopia
65, 27.809, 213.759

Trichromacy



Original Color
65, 29.801, 196.971



Protanomaly
64, 12.550, 208.675



Deuteranomaly
64, 13.138, 238.452



Tritanomaly
65, 28.363, 207.458

Monochromacy



Original Color
65, 29.801, 196.971



Achromatopsia
59, 0.008, 296.813



Achromatomaly
61, 12.972, 198.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 29.801, 196.971 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(73, 172, 172)` looks like.

```
.text, #text, p{  
    color:rgb(73, 172, 172)  
}
```

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(73, 172, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 172, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 29.801, 196.971 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(73, 172, 172) }
```

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

```
.border{ border-color:rgb(73, 172, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 172, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 172, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 172, 172);  
box-shadow:4px 4px 4px 4px rgb(73, 172,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 29.801, 196.971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 172, 172) }
```

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

```
.background{ background-color: rgb(73, 172,  
172) }
```

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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