

Converting Colors

CIELCh(69, 32.222, 189.261)

Have a look what the booklet for
CIELCh(69, 32.222, 189.261)
contains.

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Color

CIElCh(69, 32.080, 189.924)

Conversions

Conversions Part 1

Format	Color
Hex	50B8B1
RGB	80, 184, 177
RGB Percent	31%, 72%, 69%
CMY	0.6847, 0.2770, 0.3045
CMYK	0.56, 0.00, 0.04, 0.28
HSL	176°, 42%, 52%
HSV	176°, 56%, 72%
XYZ	28.5302, 39.3444, 47.8730
YIQ	152.1060, -59.7370, -24.2250

Conversions

Conversions Part 2

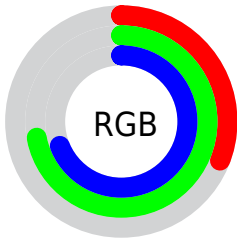
Format	Color
R _Y B	80, 134, 184
Decimal	5290161
CIE Lab	69.00, -31.60, -5.53
CIE LCh	69, 32.080, 189.924
Yxy	39.3444, 0.2465, 0.3399
Android (android.graphics.Color)	4283480241 (0xFF50B8B1)
YUV	152.1060, 12.2727, -63.2370
Hunter-Lab	62.7251, -28.5792, -1.3436

Details

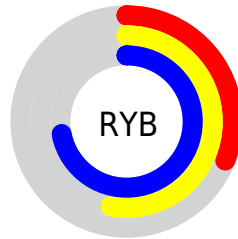
The CIELCh color **69, 32.080, 189.924** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **48, 45.910, 21.636**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 31.726, 190.687**, and **49, 31.327, 190.815** is the 20% darker color. If you saturate the color by 10%, you get **68, 35.617, 189.215**, and if you desaturate by 10%, it is **70, 27.751, 190.617**.

Distribution



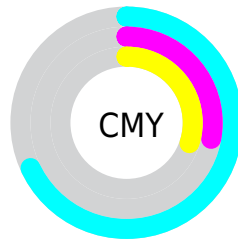
- Red (31%)
- Green (72%)
- Blue (69%)



- Red (31%)
- Yellow (53%)
- Blue (72%)



- Cyan (56%)
- Magenta (0%)
- Yellow (4%)
- Black (28%)





- Cyan (68%)
- Magenta (28%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 32.080, 189.924 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 69, 32.080, 189.924 by changing the saturation by 10% instead.

 69, 32.080,
189.924

 69, 32.080,
189.924


 100, 32.080,
189.924


 59, 32.080,
189.924


 89, 32.080,
189.924

 49, 32.080,
189.924

 99, 32.080,
189.924

 39, 32.080,
189.924

 29, 32.080,
189.924

 19, 32.080,
189.924

 9, 32.080, 189.924

 0, 32.080, 189.924

69, 32.080,
189.924

69, 32.080,
189.924

68, 35.617,
189.215

70, 27.751,
190.617

68, 38.321,
188.482

71, 22.708,
191.309

68, 40.199,
187.710

72, 17.052,
192.005

68, 41.332,
186.886

73, 10.892,
192.715

68, 41.660,
186.585

74, 4.341, 193.483

75, 2.500, 13.863

77, 9.538, 14.718

79, 16.698, 15.444

81, 23.917, 16.153

Harmonies

Complementary

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



69, 32.080, 189.924



48, 45.910, 21.636

Rectangle

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



69, 32.080, 189.924



69, 32.080, 239.924



69, 32.080, 9.924



69, 32.080, 59.924

Sweetspot

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



69, 32.080, 189.922



92, 13.953, 192.651



67, 65.455, 138.107



48, 9.279, 192.508



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



69, 32.080, 189.922



87, 44.367, 189.017



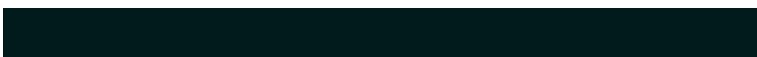
56, 29.442, 256.449



38, 3.814, 193.241



58, 36.711, 186.705



8, 10.752, 190.170

Inverse Universe

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



48, 45.910, 21.636



57, 69.471, 25.390



57, 38.101, 60.179



36, 4.013, 14.461



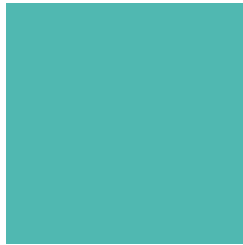
32, 69.360, 36.825



2, 10.675, 15.309

Previews

White Background



This preview shows how the CIE LCh color 69, 32.080, 189.924 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 69, 32.080, 189.924 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 69, 32.080, 189.924

Background



This preview shows how black text looks on a background with the CIELCh color 69, 32.080, 189.924.

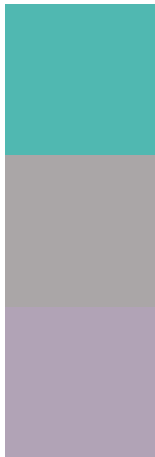


This preview shows how white text looks on a background with the CIELCh color 69, 32.080, 189.924.

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

69, 32.080, 189.924

Protanopia

68, 1.622, 359.460

Deuteranopia

69, 11.719, 317.311



Tritanopia
69, 28.438, 213.216

Trichromacy



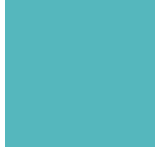
Original Color
69, 32.080, 189.924



Protanomaly
68, 12.940, 193.441



Deuteranomaly
68, 11.207, 225.045



Tritanomaly
69, 29.326, 203.692

Monochromacy



Original Color
69, 32.080, 189.924



Achromatopsia
63, 0.008, 296.813



Achromatomaly
65, 13.802, 191.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 32.080, 189.924 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, 184, 177)` looks like.

```
.text, #text, p{  
    color:rgb(80, 184, 177)  
}
```

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, 184, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 184, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 32.080, 189.924 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, 184, 177) }
```

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

```
.border{ border-color:rgb(80, 184, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 184, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 184, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 184, 177);  
box-shadow:4px 4px 4px 4px rgb(80, 184,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 32.080, 189.924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 184, 177) }
```

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

```
.background{ background-color: rgb(80, 184,  
177) }
```

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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