

Converting Colors

CIELCh(70, 32.081, 187.724)

Have a look what the booklet for
CIELCh(70, 32.081, 187.724)
contains.

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Color

CIELCh(70, 32.077, 187.980)

Conversions

Conversions Part 1

Format	Color
Hex	55BBB2
RGB	85, 187, 178
RGB Percent	33%, 73%, 70%
CMY	0.6661, 0.2662, 0.3015
CMYK	0.55, 0.00, 0.05, 0.27
HSL	175°, 43%, 53%
HSV	175°, 55%, 73%
XYZ	29.6028, 40.7494, 48.4881
YIQ	155.4760, -57.9030, -24.4230

Conversions

Conversions Part 2

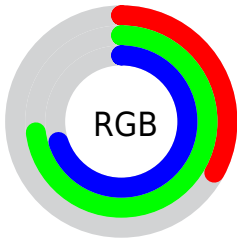
Format	Color
RYB	85, 138, 187
Decimal	5618610
CIELab	70.00, -31.77, -4.45
CIELCh	70, 32.077, 187.980
Yxy	40.7494, 0.2491, 0.3429
Android (android.graphics.Color)	4283808690 (0xFF55BBB2)
YUV	155.4760, 11.1043, -61.8075
Hunter-Lab	63.8353, -28.9346, -0.3509

Details

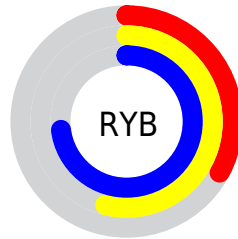
The CIELCh color **70, 32.077, 187.980** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **49, 44.534, 19.638**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 32.177, 187.970**, and **50, 32.109, 187.745** is the 20% darker color. If you saturate the color by 10%, you get **69, 35.921, 187.156**, and if you desaturate by 10%, it is **71, 27.453, 188.770**.

Distribution



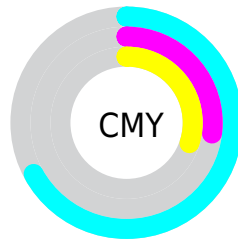
- Red (33%)
- Green (73%)
- Blue (70%)



- Red (33%)
- Yellow (54%)
- Blue (73%)



- Cyan (55%)
- Magenta (0%)
- Yellow (5%)
- Black (27%)





- Cyan (67%)
- Magenta (27%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 32.077, 187.980 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 70, 32.077, 187.980 by changing the saturation by 10% instead.


 70, 32.077,
187.980


 70, 32.077,
187.980


 100, 32.077,
187.980


 60, 32.077,
187.980


 90, 32.077,
187.980

 50, 32.077,
187.980

 40, 32.077,
187.980

 30, 32.077,
187.980

 20, 32.077,
187.980

 10, 32.077,
187.980

 0, 32.077, 187.980

70, 32.077,
187.980

70, 32.077,
187.980

69, 35.921,
187.156

71, 27.453,
188.770

69, 38.933,
186.288

72, 22.135,
189.543

69, 41.106,
185.358

73, 16.231,
190.308

68, 42.496,
184.350

74, 9.856, 191.077

68, 43.065,
183.778

75, 3.120, 191.933

77, 3.874, 12.376

78, 11.037, 13.195

80, 18.295, 13.941

82, 25.590, 14.668

Harmonies

Complementary

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



70, 32.077, 187.980



49, 44.534, 19.638

Rectangle

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



70, 32.077, 187.980



70, 32.077, 237.980



70, 32.077, 7.980



70, 32.077, 57.980

Sweetspot

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



70, 32.077, 187.978



93, 13.357, 190.941



69, 63.980, 137.921



50, 9.046, 190.781



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



70, 32.077, 187.978



88, 44.233, 187.025



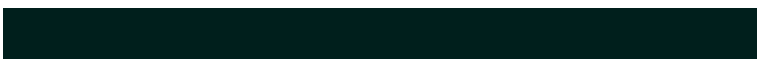
58, 28.432, 253.653



39, 3.920, 191.488



59, 37.971, 183.925



9, 12.175, 187.138

Inverse Universe

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



49, 44.534, 19.638



58, 66.315, 22.890



58, 37.112, 58.692



37, 4.117, 12.787



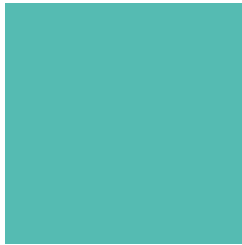
33, 69.418, 35.895



3, 12.314, 14.330

Previews

White Background



This preview shows how the CIELCh color 70, 32.077, 187.980 looks on a white background.

Color Contrast Check

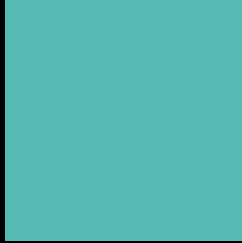
Large Text (above 18pt) WCAG AA × Fail

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 70, 32.077, 187.980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

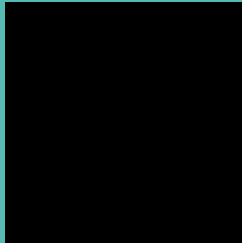
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

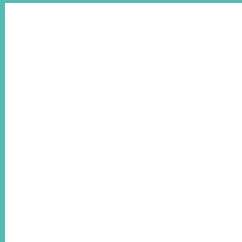
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 32.077, 187.980

Background



This preview shows how black text looks on a background with the CIELCh color 70, 32.077, 187.980.

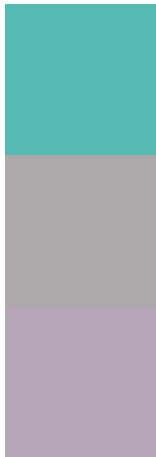


This preview shows how white text looks on a background with the CIELCh color 70, 32.077, 187.980.

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
70, 32.077, 187.980

Protanopia
70, 1.606, 39.115

Deuteranopia
70, 11.570, 321.848



Tritanopia
70, 27.909, 214.744

Trichromacy



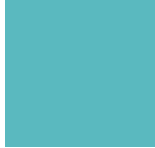
Original Color
70, 32.077, 187.980



Protanomaly
69, 12.811, 188.458



Deuteranomaly
69, 10.393, 223.849



Tritanomaly
70, 28.735, 203.871

Monochromacy



Original Color
70, 32.077, 187.980



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 13.440, 191.125

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 32.077, 187.980 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(85, 187, 178)` looks like.

```
.text, #text, p{  
    color:rgb(85, 187, 178)  
}
```

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(85, 187, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 187, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 32.077, 187.980 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(85, 187, 178) }
```

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

```
.border{ border-color:rgb(85, 187, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 187, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 187, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 187, 178);  
box-shadow:4px 4px 4px 4px rgb(85, 187,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 32.077, 187.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 187, 178) }
```

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

```
.background{ background-color: rgb(85, 187,  
178) }
```

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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