

Converting Colors

CIELCh(90, 58.575, 164.572)

Have a look what the booklet for
CIELCh(90, 58.575, 164.572)
contains.

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Color

CIELCh(90, 58.272, 164.750)

Conversions

Conversions Part 1

Format	Color
Hex	56FDC3
RGB	86, 253, 195
RGB Percent	34%, 99%, 76%
CMY	0.6618, 0.0071, 0.2346
CMYK	0.66, 0.00, 0.23, 0.01
HSL	159°, 98%, 67%
HSV	159°, 66%, 99%
XYZ	48.9114, 76.3034, 63.8822
YIQ	196.4550, -80.9140, -53.4420

Conversions

Conversions Part 2

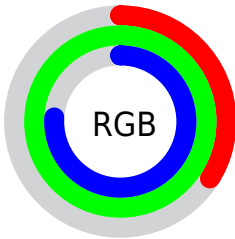
Format	Color
R _Y B	86, 187, 253
Decimal	5701059
CIE Lab	90.00, -56.22, 15.33
CIE LCh	90, 58.272, 164.750
Yxy	76.3034, 0.2587, 0.4035
Android (android.graphics.Color)	4283891139 (0xFF56FDC3)
YUV	196.4550, -0.7173, -96.8690
Hunter-Lab	87.3518, -52.9171, 17.7862

Details

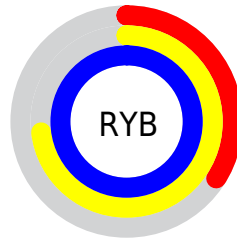
The CIELCh color **90, 58.272, 164.750** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **61, 67.615, 3.175**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 31.690, 194.635**, and **70, 56.135, 163.655** is the 20% darker color. If you saturate the color by 10%, you get **89, 64.364, 162.951**, and if you desaturate by 10%, it is **91, 51.206, 166.350**.

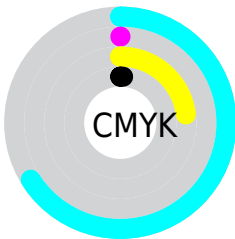
Distribution



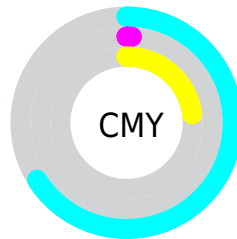
- Red (34%)
- Green (99%)
- Blue (76%)



- Red (34%)
- Yellow (73%)
- Blue (99%)



- Cyan (66%)
- Magenta (0%)
- Yellow (23%)
- Black (1%)





- Cyan (66%)
- Magenta (1%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 58.272, 164.750 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 90, 58.272, 164.750 by changing the saturation by 10% instead.


 90, 58.272,
164.750


 90, 58.272,
164.750


 100, 58.272,
164.750


 80, 58.272,
164.750

 70, 58.272,
164.750

 60, 58.272,
164.750


 50, 58.272,
164.750

 40, 58.272,
164.750


 30, 58.272,
164.750


 20, 58.272,


164.750


 10, 58.272,
164.750


 0, 58.272, 164.750


 90, 58.272,
164.750


 90, 58.272,
164.750


 89, 64.364,
162.951


 91, 51.206,
166.350


 89, 69.453,
160.942

 92, 43.266,
167.778

 89, 73.614,
158.729

 93, 34.598,
169.058

 88, 75.137,
157.813

 95, 25.372,
170.217

■ 96, 15.756,
171.282

■ 98, 5.904, 172.307

■ 100, 1.134,
324.209

Harmonies

Complementary

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



90, 58.272, 164.750



61, 67.615, 3.175

Rectangle

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



90, 58.272, 164.750



90, 58.272, 214.750



90, 58.272, 344.750



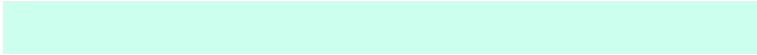
90, 58.272, 34.750

Sweetspot

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



90, 58.273, 164.749



96, 19.808, 170.859



90, 89.522, 131.078



51, 13.473, 170.559



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

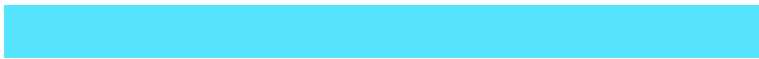
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 58.273, 164.749



90, 66.399, 162.354



84, 38.301, 217.587



52, 5.674, 171.936



69, 60.410, 158.229



23, 26.387, 161.349

Inverse Universe

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



61, 67.615, 3.175



57, 77.430, 7.619



64, 66.337, 37.656



50, 5.809, 353.599



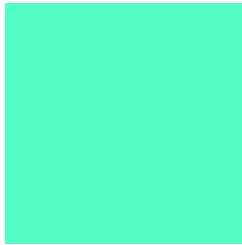
40, 69.291, 16.862



10, 31.314, 9.198

Previews

White Background



This preview shows how the CIE LCh color 90, 58.272, 164.750 looks on a white background.

Color Contrast Check

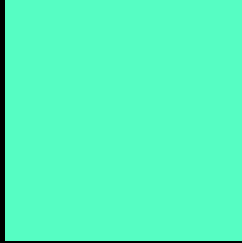
Large Text (above 18pt) WCAG AA × Fail

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 90, 58.272, 164.750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

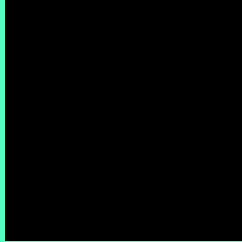
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 58.272, 164.750

Background



This preview shows how black text looks on a background with the CIELCh color 90, 58.272, 164.750.

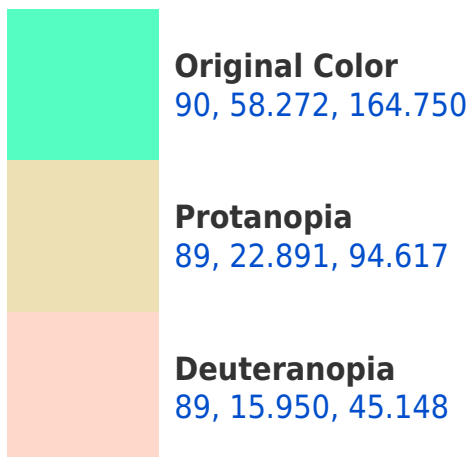


This preview shows how white text looks on a background with the CIELCh color 90, 58.272, 164.750.

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





Tritanopia
90, 28.015, 214.083

Trichromacy



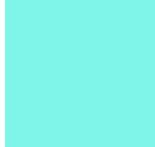
Original Color
90, 58.272, 164.750



Protanomaly
88, 31.824, 144.549



Deuteranomaly
88, 20.677, 149.071



Tritanomaly
90, 36.525, 187.148

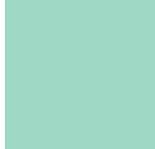
Monochromacy



Original Color
90, 58.272, 164.750



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 23.858, 169.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 58.272, 164.750 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(86, 253, 195)` looks like.

```
.text, #text, p{  
    color:rgb(86, 253, 195)  
}
```

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(86, 253, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 253, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 58.272, 164.750 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(86, 253, 195) }
```

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

```
.border{ border-color:rgb(86, 253, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 253, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 253, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 253, 195);  
box-shadow:4px 4px 4px 4px rgb(86, 253,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 58.272, 164.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 253, 195) }
```

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

```
.background{ background-color: rgb(86, 253,  
195) }
```

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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