

Converting Colors

CIELCh(90, 63.311, 154.930)

Have a look what the booklet for
CIELCh(90, 63.311, 154.930)
contains.

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Color

CIELCh(90, 63.215, 155.014)

Conversions

Conversions Part 1

Format	Color
Hex	69FDAD
RGB	105, 253, 173
RGB Percent	41%, 99%, 68%
CMY	0.5880, 0.0077, 0.3214
CMYK	0.58, 0.00, 0.32, 0.01
HSL	148°, 97%, 70%
HSV	148°, 58%, 99%
XYZ	48.5174, 76.3034, 51.7271
YIQ	199.6280, -62.5280, -56.2560

Conversions

Conversions Part 2

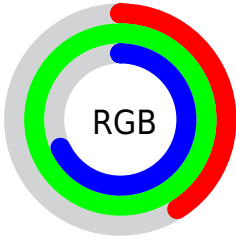
Format	Color
RYB	105, 206, 253
Decimal	6946221
CIELab	90.00, -57.30, 26.70
CIELCh	90, 63.215, 155.014
Yxy	76.3034, 0.2748, 0.4322
Android (android.graphics.Color)	4285136301 (0xFF69FDAD)
YUV	199.6280, -13.1276, -82.9888
Hunter-Lab	87.3518, -53.7222, 26.0365

Details

The CIELCh color **90, 63.215, 155.014** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **65, 65.733, 347.941**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 32.215, 172.766**, and **70, 63.156, 155.046** is the 20% darker color. If you saturate the color by 10%, you get **89, 72.038, 153.327**, and if you desaturate by 10%, it is **91, 53.511, 156.497**.

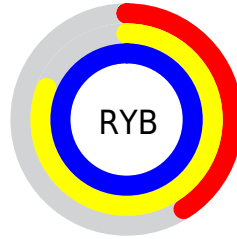
Distribution



Red (41%)

Green (99%)

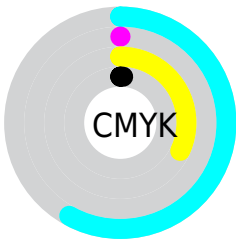
Blue (68%)



Red (41%)

Yellow (81%)

Blue (99%)

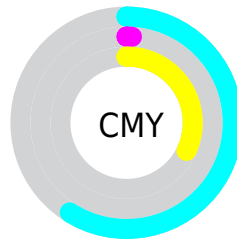


Cyan (58%)

Magenta (0%)

Yellow (32%)

Black (1%)



Cyan (59%)


Magenta (1%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 63.215, 155.014 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, 63.215, 155.014 by changing the saturation by 10% instead.


 90, 63.215,
155.014


 90, 63.215,
155.014


 100, 63.215,
155.014


 80, 63.215,
155.014

 70, 63.215,
155.014

 60, 63.215,
155.014


 50, 63.215,
155.014

 40, 63.215,
155.014


 30, 63.215,
155.014


 20, 63.215,

155.014


 10, 63.215,
155.014

 0, 63.215, 155.014


 90, 63.215,
155.014


 90, 63.215,
155.014


 89, 72.038,
153.327


 91, 53.511,
156.497


 89, 79.843,
151.424

 92, 43.103,
157.800

 88, 86.579,
149.315

 94, 32.194,
158.946

 88, 92.319,
147.055

 96, 20.977,
159.963

■ 88, 93.140,
146.722

■ 98, 9.624, 160.887

100, 1.220,
324.231

Harmonies

Complementary

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



90, 63.215, 155.014



65, 65.733, 347.941

Rectangle

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



90, 63.215, 155.014



90, 63.215, 205.014



90, 63.215, 335.014



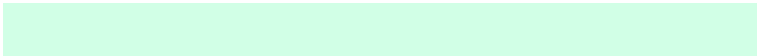
90, 63.215, 25.014

Sweetspot

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



90, 63.216, 155.014



96, 20.555, 160.009



92, 76.324, 124.641



51, 14.274, 159.726



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, 63.216, 155.014



90, 73.738, 153.047



92, 41.839, 191.511



52, 6.490, 160.794



68, 74.792, 147.137



23, 32.201, 150.344

Inverse Universe

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



65, 65.733, 347.941



61, 75.591, 350.078



63, 62.257, 23.749



50, 6.561, 342.257



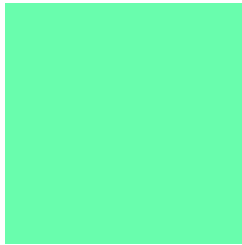
41, 68.856, 358.301



11, 32.310, 353.342

Previews

White Background



This preview shows how the CIE LCh color 90, 63.215, 155.014 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, 63.215, 155.014 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

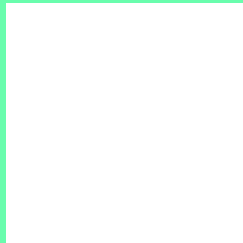
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 63.215, 155.014

Background



This preview shows how black text looks on a background with the CIELCh color 90, 63.215, 155.014.

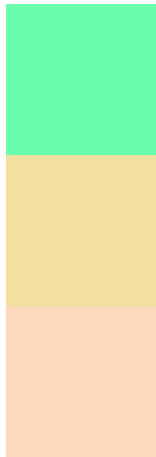


This preview shows how white text looks on a background with the CIELCh color 90, 63.215, 155.014.

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
90, 63.215, 155.014

Protanopia
89, 33.749, 95.126

Deuteranopia
89, 20.431, 63.012



Tritanopia
90, 26.644, 216.232

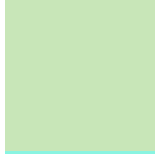
Trichromacy



Original Color
90, 63.215, 155.014



Protanomaly
89, 39.509, 131.588



Deuteranomaly
88, 26.374, 133.311

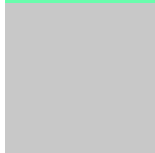


Tritanomaly
90, 35.394, 180.805

Monochromacy



Original Color
90, 63.215, 155.014



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 24.771, 159.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 63.215, 155.014 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(105, 253, 173)` looks like.

```
.text, #text, p{  
    color:rgb(105, 253, 173)  
}
```

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(105, 253, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 253, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 63.215, 155.014 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(105, 253, 173) }
```

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

```
.border{ border-color:rgb(105, 253, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 253, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 253, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 253, 173);  
box-shadow:4px 4px 4px 4px rgb(105, 253,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 63.215, 155.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 253, 173) }
```

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

```
.background{ background-color: rgb(105,  
253, 173) }
```

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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