

Converting Colors

CIELCh(90, 36.056, 188.566)

Have a look what the booklet for
CIELCh(90, 36.056, 188.566)
contains.

CIELCh(90, 36.352, 187.964)	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(90, 36.352, 187.964)

Conversions

Conversions Part 1

Format	Color
Hex	80F6EB
RGB	128, 246, 235
RGB Percent	50%, 96%, 92%
CMY	0.4991, 0.0363, 0.0794
CMYK	0.48, 0.00, 0.04, 0.04
HSL	174°, 86%, 73%
HSV	174°, 48%, 96%
XYZ	56.6957, 76.3034, 90.1413
YIQ	209.4640, -66.7970, -28.4370

Conversions

Conversions Part 2

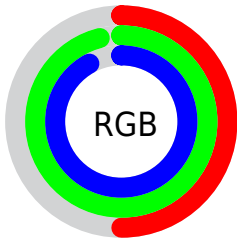
Format	Color
RYB	128, 190, 246
Decimal	8451819
CIELab	90.00, -36.00, -5.04
CIELCh	90, 36.352, 187.964
Yxy	76.3034, 0.2541, 0.3420
Android (android.graphics.Color)	4286641899 (0xFF80F6EB)
YUV	209.4640, 12.5892, -71.4439
Hunter-Lab	87.3518, -37.0102, -0.0371

Details

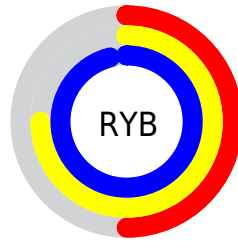
The CIELCh color **90, 36.352, 187.964** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **67, 48.423, 17.972**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.978, 198.063**, and **70, 36.388, 187.858** is the 20% darker color. If you saturate the color by 10%, you get **89, 41.737, 187.121**, and if you desaturate by 10%, it is **91, 30.040, 188.775**.

Distribution



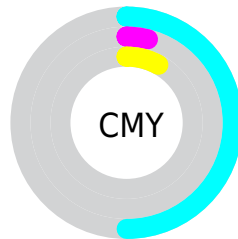
- Red (50%)
- Green (96%)
- Blue (92%)



- Red (50%)
- Yellow (75%)
- Blue (96%)



- Cyan (48%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)





- Cyan (50%)
- Magenta (4%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 36.352, 187.964 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, 36.352, 187.964 by changing the saturation by 10% instead.


 90, 36.352,
187.964


 90, 36.352,
187.964


 100, 36.352,
187.964


 80, 36.352,
187.964

 70, 36.352,
187.964

 60, 36.352,
187.964

 50, 36.352,
187.964

 40, 36.352,
187.964

 30, 36.352,
187.964

 20, 36.352,

187.964

■ 10, 36.352,
187.964

■ 0, 36.352, 187.964

■ 90, 36.352,
187.964

■ 90, 36.352,
187.964

■ 89, 41.737,
187.121

■ 91, 30.040,
188.775

■ 89, 46.099,
186.237

■ 92, 22.929,
189.571

■ 88, 49.393,
185.292

■ 94, 15.167,
190.362

■ 88, 51.649,
184.269

■ 95, 6.899, 191.180

■ 97, 1.736, 11.490

■ 88, 53.001,
183.156

■ 98, 3.569, 356.390

■ 88, 53.220,
182.932

■ 98, 4.173, 341.544

■ 98, 4.983, 330.994

■ 98, 5.765, 324.589

Harmonies

Complementary

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



90, 36.352, 187.964



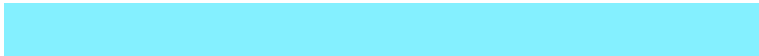
67, 48.423, 17.972

Rectangle

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



90, 36.352, 187.964



90, 36.352, 237.964



90, 36.352, 7.964



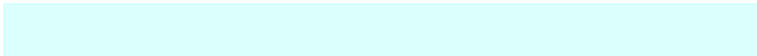
90, 36.352, 57.964

Sweetspot

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



90, 36.352, 187.962



97, 12.258, 190.681



88, 71.011, 138.412



52, 8.420, 190.508



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, 36.352, 187.962



92, 42.970, 187.113



77, 31.693, 252.097



50, 4.860, 191.054



68, 43.128, 183.141



21, 18.920, 184.761

Inverse Universe

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



67, 48.423, 17.972



64, 61.236, 20.463



77, 40.090, 59.182



48, 5.109, 12.421



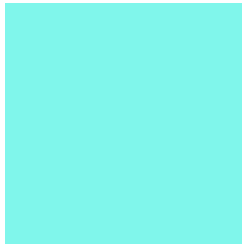
39, 78.619, 36.209



8, 30.473, 21.242

Previews

White Background



This preview shows how the CIE LCh color 90, 36.352, 187.964 looks on a white background.

Color Contrast Check

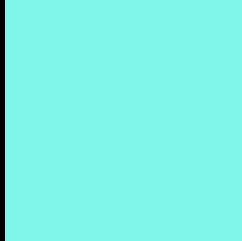
Large Text (above 18pt) WCAG AA × Fail

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, 36.352, 187.964 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, 36.352, 187.964

Background



This preview shows how black text looks on a background with the CIELCh color 90, 36.352, 187.964.



This preview shows how white text looks on a background with the CIELCh color 90, 36.352, 187.964.

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



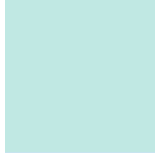


Tritanopia
90, 26.156, 216.613

Trichromacy



Original Color
90, 36.352, 187.964



Protanomaly
89, 14.035, 187.757



Deuteranomaly
89, 11.219, 229.719

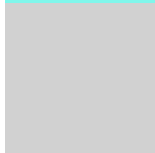


Tritanomaly
90, 29.063, 204.866

Monochromacy



Original Color
90, 36.352, 187.964



Achromatopsia
84, 0.010, 296.813



Achromatomaly
85, 14.965, 190.279

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 36.352, 187.964 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(128, 246, 235)` looks like.

```
.text, #text, p{  
    color:rgb(128, 246, 235)  
}
```

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(128, 246, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 246, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 36.352, 187.964 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(128, 246, 235) }
```

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

```
.border{ border-color:rgb(128, 246, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 246, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 246, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 246, 235);  
box-shadow:4px 4px 4px 4px rgb(128, 246,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 36.352, 187.964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 246, 235) }
```

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

```
.background{ background-color: rgb(128,  
246, 235) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor