

Converting Colors

CIELCh(90, 20.738, 195.406)

Have a look what the booklet for
CIELCh(90, 20.738, 195.406)
contains.

CIELCh(90, 20.795, 195.175)	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, 20.795, 195.175)

Conversions

Conversions Part 1

Format	Color
Hex	AFEEEC
RGB	175, 238, 236
RGB Percent	69%, 93%, 93%
CMY	0.3138, 0.0667, 0.0746
CMYK	0.26, 0.00, 0.01, 0.07
HSL	178°, 65%, 81%
HSV	178°, 26%, 93%
XYZ	63.3805, 76.3034, 90.7284
YIQ	218.9350, -36.9060, -13.9780

Conversions

Conversions Part 2

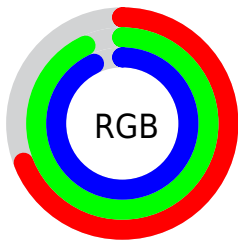
Format	Color
R_{YB}	175, 207, 238
Decimal	11529964
CIE _{Lab}	90.00, -20.07, -5.44
CIE _{LCh}	90, 20.795, 195.175
Y _{xy}	76.3034, 0.2751, 0.3312
Android (android.graphics.Color)	4289720044 (0xFFAFEEEC)
YUV	218.9350, 8.4130, -38.5310
Hunter-Lab	87.3518, -23.3500, -0.4356

Details

The CIELCh color **90, 20.795, 195.175** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77, 24.626, 19.071**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 7.855, 198.993**, and **70, 20.966, 194.722** is the 20% darker color. If you saturate the color by 10%, you get **89, 27.570, 194.600**, and if you desaturate by 10%, it is **91, 13.352, 195.780**.

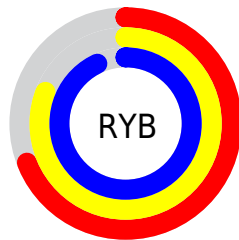
Distribution



Red (69%)

Green (93%)

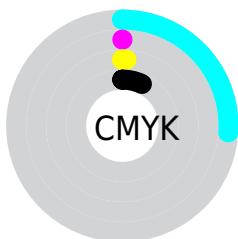
Blue (93%)



Red (69%)

Yellow (81%)

Blue (93%)

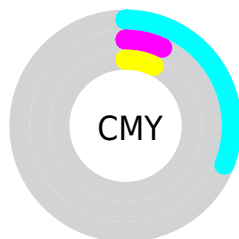


Cyan (26%)

Magenta (0%)

Yellow (1%)

Black (7%)



Cyan (31%)


Magenta (7%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 20.795, 195.175 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, 20.795, 195.175 by changing the saturation by 10% instead.


 90, 20.795,
195.175


 90, 20.795,
195.175


 100, 20.795,
195.175


 80, 20.795,
195.175

 70, 20.795,
195.175

 60, 20.795,
195.175

 50, 20.795,
195.175

 40, 20.795,
195.175

 30, 20.795,
195.175

 20, 20.795,

195.175

■ 10, 20.795,
195.175

■ 0, 20.795, 195.175

■ 90, 20.795,
195.175

■ 90, 20.795,
195.175

■ 89, 27.570,
194.600

■ 91, 13.352,
195.780

■ 88, 33.538,
194.062

■ 93, 5.379, 196.466

■ 87, 38.579,
193.555

■ 95, 2.993, 16.779

■ 95, 6.114, 14.814

■ 86, 42.607,
193.075

■ 95, 6.156, 11.228

■ 86, 45.581,
192.615

■ 95, 6.221, 7.704

■ 86, 47.527,
192.163

■ 95, 6.310, 4.267

■ 85, 48.554,
191.710

■ 96, 6.421, 0.938

■ 85, 48.793,
191.550

■ 96, 6.554, 357.734

Harmonies

Complementary

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



90, 20.795, 195.175



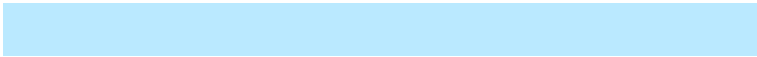
77, 24.626, 19.071

Rectangle

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



90, 20.795, 195.175



90, 20.795, 245.175



90, 20.795, 15.175



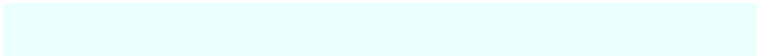
90, 20.795, 65.175

Sweetspot

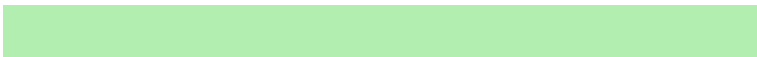
The Sweet Spot groups the original color and five complimentary colors.



90, 20.796, 195.171



99, 7.007, 196.346



89, 39.577, 141.829



52, 4.962, 196.238



0, 0.000, 0.000



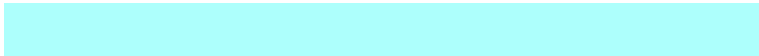
53, 0.007, 296.813

Same Dimension

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



90, 20.796, 195.171



95, 26.039, 194.844



82, 18.711, 255.678



49, 4.717, 196.242



68, 40.151, 191.626



20, 17.461, 192.273

Inverse Universe

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



77, 24.626, 19.071



79, 32.109, 19.798



84, 20.434, 68.563



47, 4.992, 17.366



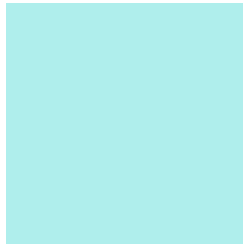
38, 80.294, 38.710



8, 29.667, 22.532

Previews

White Background



This preview shows how the CIE LCh color 90, 20.795, 195.175 looks on a white background.

Color Contrast Check

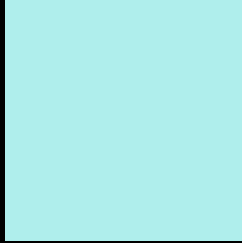
Large Text (above 18pt) WCAG AA × Fail

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, 20.795, 195.175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

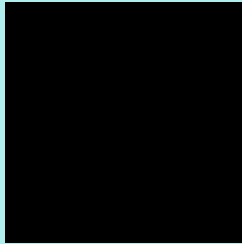
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 20.795, 195.175

Background



This preview shows how black text looks on a background with the CIELCh color 90, 20.795, 195.175.

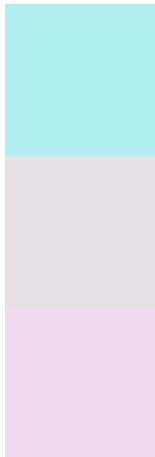


This preview shows how white text looks on a background with the CIELCh color 90, 20.795, 195.175.

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, 20.795, 195.175

Protanopia
90, 2.764, 330.540

Deuteranopia
90, 13.465, 326.171

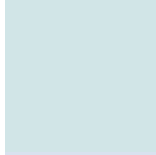


Tritanopia
90, 20.080, 228.067

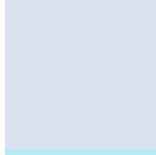
Trichromacy



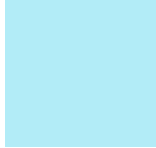
Original Color
90, 20.795, 195.175



Protanomaly
90, 7.007, 207.584



Deuteranomaly
90, 7.387, 265.863

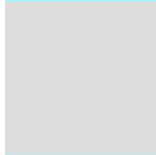


Tritanomaly
90, 19.404, 215.527

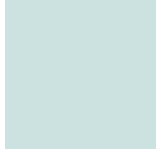
Monochromacy



Original Color
90, 20.795, 195.175



Achromatopsia
87, 0.010, 296.813



Achromatomaly
88, 8.057, 195.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 20.795, 195.175 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(175, 238, 236)` looks like.

```
.text, #text, p{  
    color:rgb(175, 238, 236)  
}
```

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(175, 238, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 238, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 20.795, 195.175 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(175, 238, 236) }
```

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

```
.border{ border-color:rgb(175, 238, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 238, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 238, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 238, 236); box-shadow:4px 4px 4px 4px rgb(175, 238, 236) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 20.795, 195.175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 238, 236) }
```

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

```
.background{ background-color: rgb(175,  
238, 236) }
```

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