

Converting Colors

CIELCh(95, 16.492, 277.594)

Have a look what the booklet for
CIELCh(95, 16.492, 277.594)
contains.

CIELCh(95, 8.200, 260.893)	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(95, 8.200, 260.893)

Conversions

Conversions Part 1

Format	Color
Hex	E6F2FF
RGB	230, 242, 255
RGB Percent	90%, 95%, 100%
CMY	0.0980, 0.0509, 0.0000
CMYK	0.10, 0.05, 0.00, 0.00
HSL	211°, 100%, 95%
HSV	211°, 10%, 100%
XYZ	82.6027, 87.6183, 108.0293
YIQ	239.8940, -11.3250, 1.4990

Conversions

Conversions Part 2

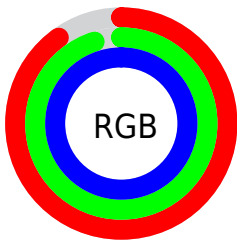
Format	Color
R _Y B	230, 238, 255
Decimal	15135487
CIE Lab	95.00, -1.30, -8.10
CIE LCh	95, 8.200, 260.893
Yxy	87.6183, 0.2969, 0.3149
Android (android.graphics.Color)	4293325567 (0xFFE6F2FF)
YUV	239.8940, 7.4473, -8.6770
Hunter-Lab	93.6047, -6.2884, -2.9034

Details

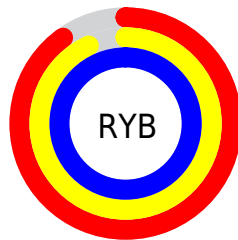
The CIELCh color `95, 8.200, 260.893` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `96, 7.912, 76.225`, and the grayscale version is `95, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `75, 7.672, 257.070` is the 20% darker color. If you saturate the color by 10%, you get `90, 15.603, 260.415`, and if you desaturate by 10%, it is `100, 0.012, 296.813`.

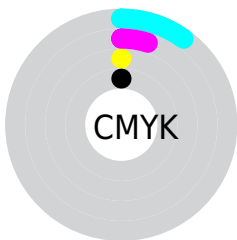
Distribution



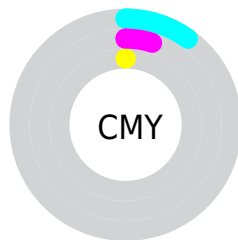
- Red (90%)
- Green (95%)
- Blue (100%)



- Red (90%)
- Yellow (93%)
- Blue (100%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 8.200, 260.893 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 95, 8.200, 260.893 by changing the saturation by 10% instead.

 95, 8.200, 260.893

 95, 8.200, 260.893

 100, 8.200,
260.893

 85, 8.200, 260.893

 75, 8.200, 260.893

 65, 8.200, 260.893

 55, 8.200, 260.893

 45, 8.200, 260.893

 35, 8.200, 260.893

 25, 8.200, 260.893

 15, 8.200, 260.893

 5, 8.200, 260.893

95, 8.200, 260.893

95, 8.200, 260.893

90, 15.603,
260.415

100, 0.012,
296.813

85, 23.376,
262.280

80, 31.050,
264.503

75, 38.615,
267.142

70, 46.086,
270.250

66, 53.511,
273.847

61, 60.976,
277.903

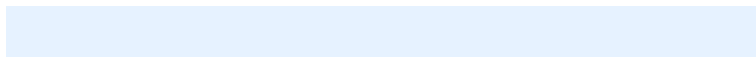
57, 68.591,
282.301

■ 53,76.451,
286.775

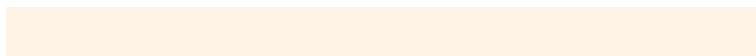
Harmonies

Complementary

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



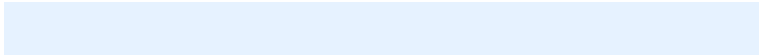
95, 8.200, 260.893



96, 7.912, 76.225

Rectangle

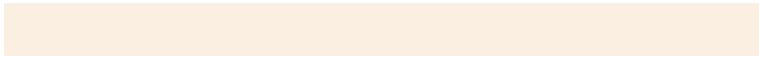
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 8.200, 260.893



95, 8.200, 310.893



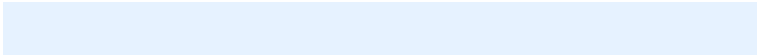
95, 8.200, 80.893



95, 8.200, 130.893

Sweetspot

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



95, 7.753, 258.865



98, 2.383, 258.056



98, 10.735, 163.764



52, 1.804, 258.123



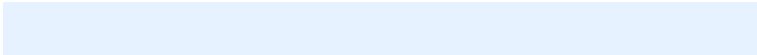
0, 0.000, 0.000



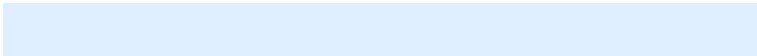
53, 0.007, 296.813

Same Dimension

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



95, 7.753, 258.865



94, 9.483, 259.179



92, 12.948, 291.833



50, 4.497, 258.823



40, 60.619, 286.041



11, 24.584, 279.643

Inverse Universe

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



94, 10.868, 345.514



92, 13.340, 345.724



99, 12.653, 109.905



50, 6.301, 345.486



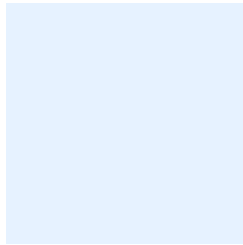
41, 68.083, 3.983



10, 31.698, 358.082

Previews

White Background



This preview shows how the CIELCh color 95, 8.200, 260.893 looks on a white background.

Color Contrast Check

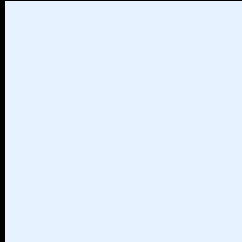
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 95, 8.200, 260.893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

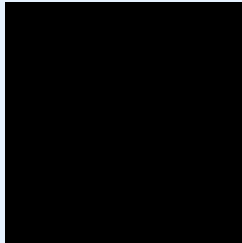
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

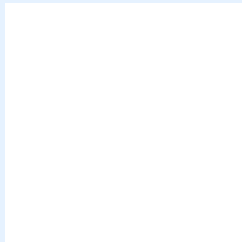
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 95, 8.200, 260.893

Background



This preview shows how black text looks on a background with the CIELCh color 95, 8.200, 260.893.



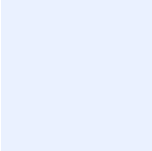
This preview shows how white text looks on a background with the CIELCh color 95, 8.200, 260.893.

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
95, 7.540, 272.239

Trichromacy



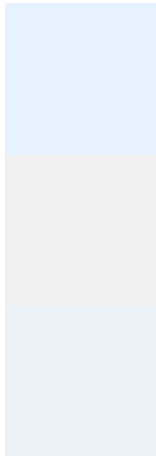
Original Color
95, 7.757, 258.918

Protanomaly
95, 7.255, 282.580

Deuteranomaly
95, 9.706, 307.427

Tritanomaly
95, 7.647, 269.812

Monochromacy



Original Color
95, 7.757, 258.918

Achromatopsia
95, 0.011, 296.813

Achromatomaly
95, 2.678, 249.777

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 8.200, 260.893 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(230, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 242, 255)  
}
```

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(230, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 242, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 8.200, 260.893 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(230, 242, 255) }
```

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

```
.border{ border-color:rgb(230, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 242,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 8.200, 260.893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 242, 255) }
```

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

```
.background{ background-color: rgb(230,  
242, 255) }
```

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