

Converting Colors

CIELCh(90, 16.046, 244.695)

Have a look what the booklet for
CIELCh(90, 16.046, 244.695)
contains.

CIELCh(90, 16.131, 244.212)	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, 16.131, 244.212)

Conversions

Conversions Part 1

Format	Color
Hex	C4E8FE
RGB	196, 232, 254
RGB Percent	77%, 91%, 100%
CMY	0.2329, 0.0917, 0.0055
CMYK	0.23, 0.09, 0.00, 0.01
HSL	203°, 95%, 88%
HSV	203°, 23%, 99%
XYZ	69.2333, 76.3034, 104.5057
YIQ	223.7440, -28.5180, -0.7900

Conversions

Conversions Part 2

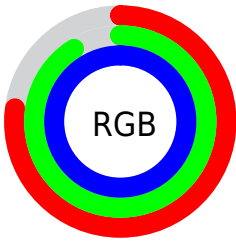
Format	Color
R _Y B	196, 218, 254
Decimal	12904702
CIE Lab	90.00, -7.02, -14.52
CIE LCh	90, 16.131, 244.212
Yxy	76.3034, 0.2769, 0.3052
Android (android.graphics.Color)	4291094782 (0xFFC4E8FE)
YUV	223.7440, 14.9162, -24.3315
Hunter-Lab	87.3518, -11.3900, -9.7870

Details

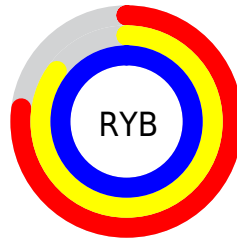
The CIELCh color `90, 16.131, 244.212` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `89, 17.988, 59.173`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.695, 200.315`, and `70, 16.135, 244.474` is the 20% darker color. If you saturate the color by 10%, you get `86, 22.709, 245.904`, and if you desaturate by 10%, it is `94, 9.237, 242.842`.

Distribution



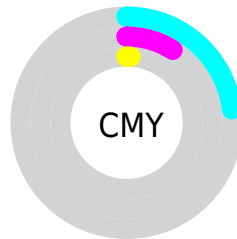
- Red (77%)
- Green (91%)
- Blue (100%)



- Red (77%)
- Yellow (85%)
- Blue (100%)



- Cyan (23%)
- Magenta (9%)
- Yellow (0%)
- Black (1%)





- Cyan (23%)
- Magenta (9%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 16.131, 244.212 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, 16.131, 244.212 by changing the saturation by 10% instead.


 90, 16.131,
244.212


 90, 16.131,
244.212


 100, 16.131,
244.212


 80, 16.131,
244.212


 70, 16.131,
244.212

 60, 16.131,
244.212

 50, 16.131,
244.212

 40, 16.131,
244.212

 30, 16.131,
244.212

 20, 16.131,

244.212

■ 10, 16.131,
244.212

■ 0, 16.131, 244.212

■ 90, 16.131,
244.212

■ 90, 16.131,
244.212

■ 86, 22.709,
245.904

■ 94, 9.237, 242.842

■ 98, 2.091, 241.912

■ 82, 28.910,
248.001

100, 0.700,
110.015

■ 78, 34.685,
250.577

■ 75, 40.013,
253.712

■ 71, 44.920,
257.468

■ 68, 49.502,
261.855

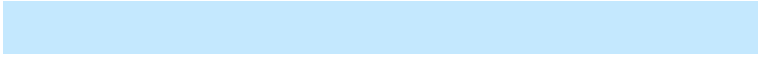
■ 65, 53.923,
266.789

■ 63, 57.123,
270.459

Harmonies

Complementary

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



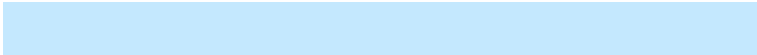
90, 16.131, 244.212



89, 17.988, 59.173

Rectangle

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



90, 16.131, 244.212



90, 16.131, 294.212



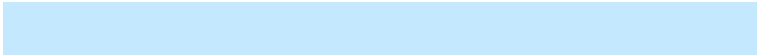
90, 16.131, 64.212



90, 16.131, 114.212

Sweetspot

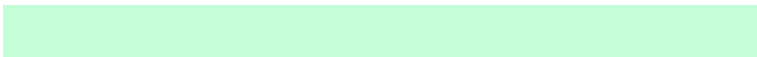
The Sweet Spot groups the original color and five complimentary colors.



90, 16.130, 244.206



97, 5.096, 242.199



95, 27.880, 155.250



51, 3.308, 242.258



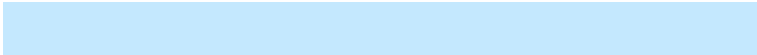
0, 0.000, 0.000



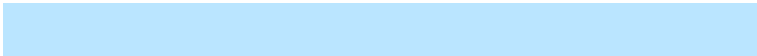
53, 0.007, 296.813

Same Dimension

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



90, 16.130, 244.206



89, 18.977, 244.866



83, 26.659, 287.069



51, 4.122, 242.457



48, 45.610, 269.511



15, 19.238, 262.260

Inverse Universe

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



85, 28.031, 339.464



83, 33.285, 339.831



96, 25.688, 101.612



50, 6.938, 338.350



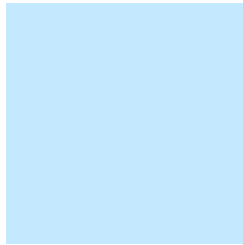
42, 71.043, 351.208



11, 33.494, 347.502

Previews

White Background



This preview shows how the CIELCh color 90, 16.131, 244.212 looks on a white background.

Color Contrast Check

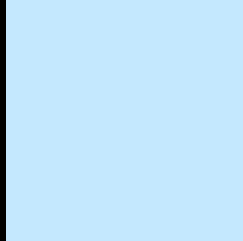
Large Text (above 18pt) WCAG AA × Fail

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, 16.131, 244.212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

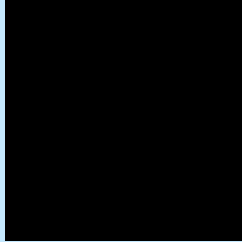
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

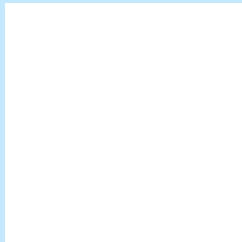
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 16.131, 244.212

Background



This preview shows how black text looks on a background with the CIELCh color 90, 16.131, 244.212.



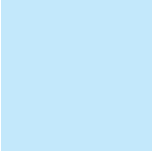
This preview shows how white text looks on a background with the CIELCh color 90, 16.131, 244.212.

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](#).

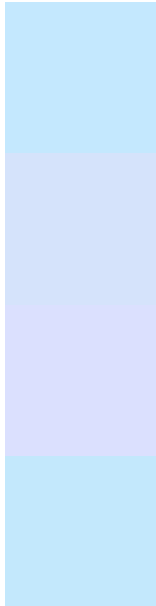
Dichromacy





Tritanopia
90, 15.407, 238.861

Trichromacy



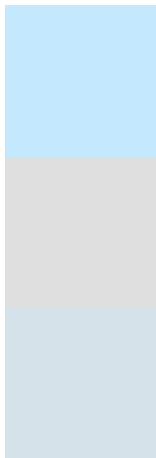
Original Color
90, 16.131, 244.212

Protanomaly
90, 13.224, 270.361

Deuteranomaly
90, 15.670, 285.290

Tritanomaly
90, 15.710, 240.444

Monochromacy



Original Color
90, 16.131, 244.212

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 6.078, 242.610

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 16.131, 244.212 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(196, 232, 254)` looks like.

```
.text, #text, p{  
    color:rgb(196, 232, 254)  
}
```

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(196, 232, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 232, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 16.131, 244.212 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(196, 232, 254) }
```

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

```
.border{ border-color:rgb(196, 232, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 232, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 232, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 232, 254);  
box-shadow:4px 4px 4px 4px rgb(196, 232,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 16.131, 244.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 232, 254) }
```

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

```
.background{ background-color: rgb(196,  
232, 254) }
```

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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