

Converting Colors

CIELCh(90, 16.470, 247.496)

Have a look what the booklet for
CIELCh(90, 16.470, 247.496)
contains.

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Color

CIELCh(90, 16.627, 247.787)

Conversions

Conversions Part 1

Format	Color
Hex	C4E7FF
RGB	196, 231, 255
RGB Percent	77%, 91%, 100%
CMY	0.2304, 0.0931, 0.0000
CMYK	0.23, 0.09, 0.00, 0.00
HSL	204°, 100%, 88%
HSV	204°, 23%, 100%
XYZ	69.5717, 76.3034, 105.8920
YIQ	223.2710, -28.5640, 0.0440

Conversions

Conversions Part 2

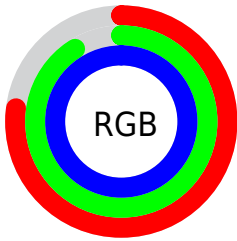
Format	Color
R_{YB}	196, 218, 255
Decimal	12904447
CIE _{Lab}	90.00, -6.29, -15.39
CIE _{LCh}	90, 16.627, 247.787
Y _{xy}	76.3034, 0.2763, 0.3031
Android (android.graphics.Color)	4291094527 (0xFFC4E7FF)
YUV	223.2710, 15.6424, -23.9167
Hunter-Lab	87.3518, -10.6985, -10.7279

Details

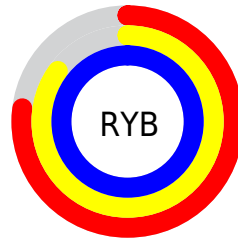
The CIELCh color `90, 16.627, 247.787` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `90, 18.279, 61.987`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.695, 200.315`, and `70, 16.662, 248.262` is the 20% darker color. If you saturate the color by 10%, you get `86, 23.285, 249.217`, and if you desaturate by 10%, it is `94, 9.499, 245.978`.

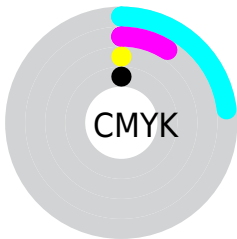
Distribution



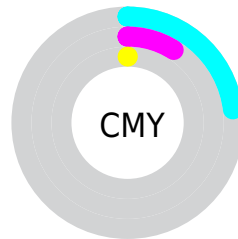
- Red (77%)
- Green (91%)
- Blue (100%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 16.627, 247.787 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, 16.627, 247.787 by changing the saturation by 10% instead.


 90, 16.627,
247.787


 90, 16.627,
247.787


 100, 16.627,
247.787


 80, 16.627,
247.787


 70, 16.627,
247.787

 60, 16.627,
247.787

 50, 16.627,
247.787

 40, 16.627,
247.787

 30, 16.627,
247.787

 20, 16.627,

247.787

■ 10, 16.627,
247.787

■ 0, 16.627, 247.787

■ 90, 16.627,
247.787

■ 90, 16.627,
247.787

■ 86, 23.285,
249.217

■ 94, 9.499, 245.978

■ 99, 2.245, 244.945

■ 82, 29.708,
251.407

100, 0.012,
296.813

■ 78, 35.758,
254.076

■ 74, 41.426,
257.298

■ 70, 46.748,
261.123

■ 67, 51.826,
265.543

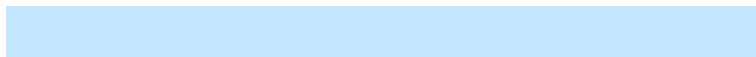
■ 63, 56.822,
270.457

■ 61, 60.381,
273.984

Harmonies

Complementary

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



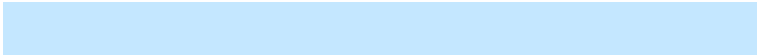
90, 16.627, 247.787



90, 18.279, 61.987

Rectangle

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



90, 16.627, 247.787



90, 16.627, 297.787



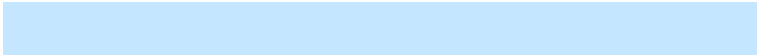
90, 16.627, 67.787



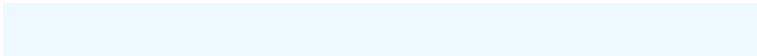
90, 16.627, 117.787

Sweetspot

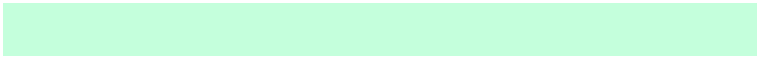
The Sweet Spot groups the original color and five complimentary colors.



90, 16.531, 247.428



97, 5.143, 245.265



95, 27.501, 156.704



51, 3.339, 245.329



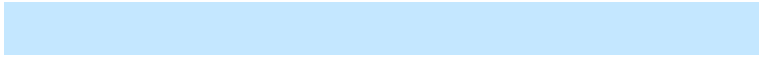
0, 0.000, 0.000



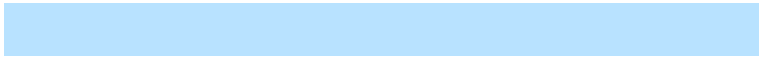
53, 0.007, 296.813

Same Dimension

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



90, 16.531, 247.428



88, 19.921, 248.270



83, 28.028, 288.698



51, 4.163, 245.543



47, 47.943, 273.038



14, 20.035, 265.864

Inverse Universe

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



85, 27.899, 340.680



82, 33.958, 341.140



97, 26.866, 103.342



50, 6.818, 339.513



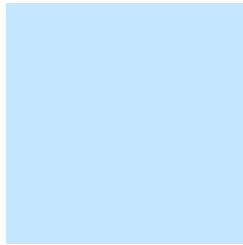
42, 70.234, 353.332



11, 33.086, 349.247

Previews

White Background



This preview shows how the CIE LCh color 90, 16.627, 247.787 looks on a white background.

Color Contrast Check

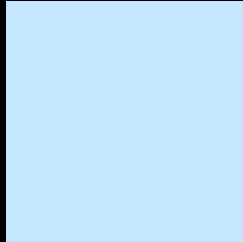
Large Text (above 18pt) WCAG AA × Fail

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, 16.627, 247.787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

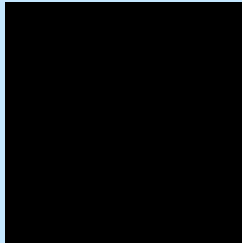
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

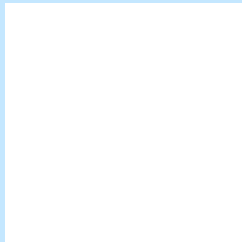
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 16.627, 247.787

Background



This preview shows how black text looks on a background with the CIELCh color 90, 16.627, 247.787.



This preview shows how white text looks on a background with the CIELCh color 90, 16.627, 247.787.

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, 16.627, 247.787

Protanopia
90, 14.049, 289.931

Deuteranopia
90, 18.159, 303.469



Tritanopia
90, 15.407, 238.861

Trichromacy



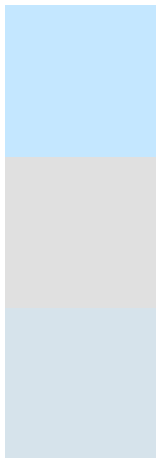
Original Color
90, 16.627, 247.787

Protanomaly
90, 13.707, 271.209

Deuteranomaly
90, 15.690, 284.071

Tritanomaly
90, 15.710, 240.444

Monochromacy



Original Color
90, 16.627, 247.787

Achromatopsia
89, 0.011, 296.813

Achromatomaly
90, 6.074, 242.606

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 16.627, 247.787 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, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 231, 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(196, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 231, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 16.627, 247.787 is called "border". The border property can be set on classes, ids or directly on the HTML element.

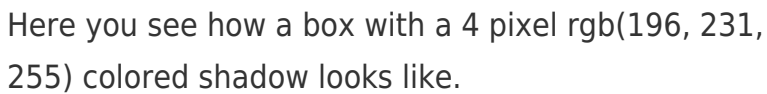
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 231, 255) }
```

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

```
.border{ border-color:rgb(196, 231, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 231, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 231, 255); box-shadow:4px 4px 4px 4px rgb(196, 231, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 16.627, 247.787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 231, 255) }
```

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

```
.background{ background-color: rgb(196,  
231, 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](#).

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