

Converting Colors

CIELCh(90, 13.171, 250.311)

Have a look what the booklet for
CIELCh(90, 13.171, 250.311)
contains.

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Color

CIELCh(90, 13.331, 250.507)

Conversions

Conversions Part 1

Format	Color
Hex	CCE6FA
RGB	204, 230, 250
RGB Percent	80%, 90%, 98%
CMY	0.2001, 0.0982, 0.0198
CMYK	0.18, 0.08, 0.00, 0.02
HSL	206°, 82%, 89%
HSV	206°, 18%, 98%
XYZ	70.4263, 76.3034, 101.4255
YIQ	224.5060, -21.9160, 0.7080

Conversions

Conversions Part 2

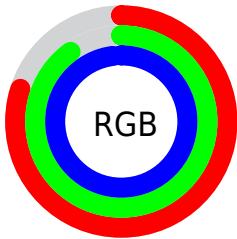
Format	Color
R _Y B	204, 221, 250
Decimal	13428474
CIE Lab	90.00, -4.45, -12.57
CIE LCh	90, 13.331, 250.507
Yxy	76.3034, 0.2838, 0.3075
Android (android.graphics.Color)	4291618554 (0xFFCCE6FA)
YUV	224.5060, 12.5685, -17.9838
Hunter-Lab	87.3518, -8.9523, -7.6963

Details

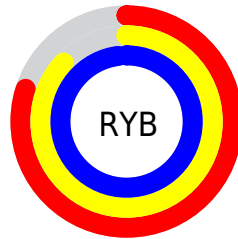
The CIELCh color `90, 13.331, 250.507` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `91, 14.280, 65.948`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 13.486, 249.674` is the 20% darker color. If you saturate the color by 10%, you get `86, 20.302, 252.203`, and if you desaturate by 10%, it is `94, 6.156, 249.121`.

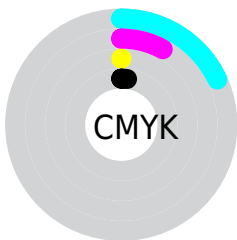
Distribution



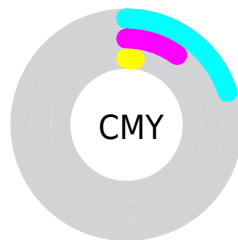
- Red (80%)
- Green (90%)
- Blue (98%)



- Red (80%)
- Yellow (87%)
- Blue (98%)



- Cyan (18%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (20%)
- Magenta (10%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 13.331, 250.507 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, 13.331, 250.507 by changing the saturation by 10% instead.

■ 90, 13.331,
250.507

■ 90, 13.331,
250.507

■ 100, 13.331,
250.507

■ 80, 13.331,
250.507

■ 70, 13.331,
250.507

■ 60, 13.331,
250.507

■ 50, 13.331,
250.507

■ 40, 13.331,
250.507

■ 30, 13.331,
250.507

■ 20, 13.331,

250.507

■ 10, 13.331,
250.507

■ 0, 13.331, 250.507

■ 90, 13.331,
250.507

■ 90, 13.331,
250.507

■ 86, 20.302,
252.203

■ 94, 6.156, 249.121

■ 99, 1.172, 67.436

■ 81, 27.027,
254.274

■ 100, 2.544,
109.958

■ 77, 33.467,
256.781

■ 73, 39.606,
259.795

■ 69, 45.467,
263.371

■ 65, 51.125,
267.516

■ 62, 56.710,
272.163

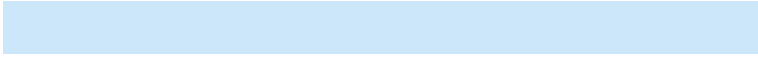
■ 59, 62.398,
277.101

■ 58, 63.337,
277.864

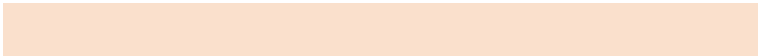
Harmonies

Complementary

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



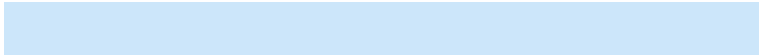
90, 13.331, 250.507



91, 14.280, 65.948

Rectangle

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



90, 13.331, 250.507



90, 13.331, 300.507



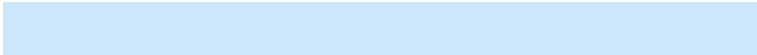
90, 13.331, 70.507



90, 13.331, 120.507

Sweetspot

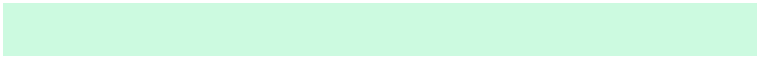
The Sweet Spot groups the original color and five complimentary colors.



90, 13.330, 250.499



97, 4.480, 248.850



95, 21.087, 158.701



52, 2.970, 248.920



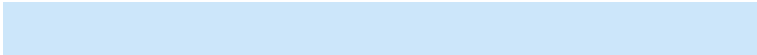
0, 0.000, 0.000



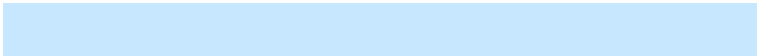
53, 0.007, 296.813

Same Dimension

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



90, 13.330, 250.499



90, 16.123, 251.078



84, 22.656, 289.532



50, 4.159, 249.255



44, 50.494, 276.954



13, 20.446, 269.566

Inverse Universe

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



87, 21.423, 341.788



86, 26.092, 342.122



96, 21.841, 105.464



49, 6.563, 341.004



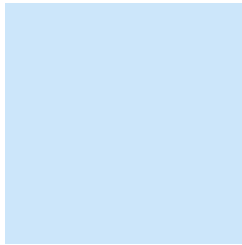
41, 68.715, 356.010



10, 31.817, 351.239

Previews

White Background



This preview shows how the CIELCh color 90, 13.331, 250.507 looks on a white background.

Color Contrast Check

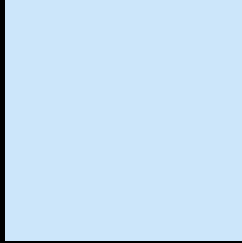
Large Text (above 18pt) WCAG AA × Fail

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, 13.331, 250.507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

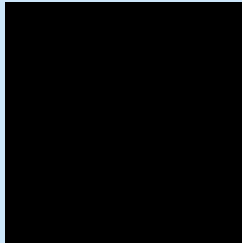
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

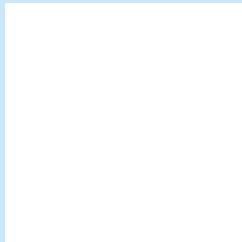
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 13.331, 250.507

Background



This preview shows how black text looks on a background with the CIELCh color 90, 13.331, 250.507.



This preview shows how white text looks on a background with the CIELCh color 90, 13.331, 250.507.

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, 13.331, 250.507

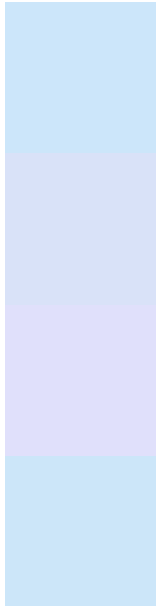
Protanopia
90, 11.971, 291.150

Deuteranopia
90, 17.624, 309.643



Tritanopia
90, 12.954, 248.921

Trichromacy



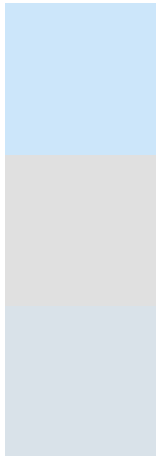
Original Color
90, 13.331, 250.507

Protanomaly
90, 11.777, 276.079

Deuteranomaly
90, 14.051, 291.314

Tritanomaly
90, 12.954, 248.921

Monochromacy



Original Color
90, 13.331, 250.507

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 4.769, 249.270

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 13.331, 250.507 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(204, 230, 250)` looks like.

```
.text, #text, p{  
    color:rgb(204, 230, 250)  
}
```

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(204, 230, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 230, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 13.331, 250.507 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(204, 230, 250) }
```

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

```
.border{ border-color:rgb(204, 230, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 230, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 230, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 230, 250);  
box-shadow:4px 4px 4px 4px rgb(204, 230,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 13.331, 250.507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 230, 250) }
```

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

```
.background{ background-color: rgb(204,  
230, 250) }
```

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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