

Converting Colors

CIELCh(90, 4.907, 189.688)

Have a look what the booklet for
CIELCh(90, 4.907, 189.688) contains.

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Color

CIELCh(90, 4.615, 192.748)

Conversions

Conversions Part 1

Format	Color
Hex	D8E5E4
RGB	216, 229, 228
RGB Percent	85%, 90%, 89%
CMY	0.1526, 0.1016, 0.1055
CMYK	0.06, 0.00, 0.00, 0.10
HSL	175°, 20%, 87%
HSV	175°, 6%, 90%
XYZ	70.4016, 76.3034, 84.4780
YIQ	224.9990, -7.4270, -3.0670

Conversions

Conversions Part 2

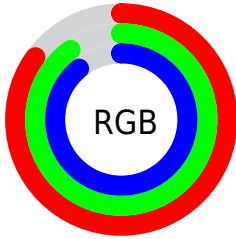
Format	Color
R _Y B	216, 223, 229
Decimal	14214628
CIE Lab	90.00, -4.50, -1.02
CIE LCh	90, 4.615, 192.748
Yxy	76.3034, 0.3045, 0.3301
Android (android.graphics.Color)	4292404708 (0xFFD8E5E4)
YUV	224.9990, 1.4795, -7.8921
Hunter-Lab	87.3518, -9.0026, 3.8069

Details

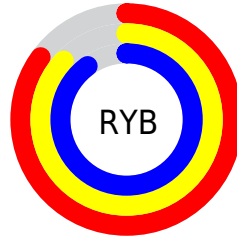
The CIELCh color `90, 4.615, 192.748` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `87, 4.762, 13.329`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 4.843, 192.598` is the 20% darker color. If you saturate the color by 10%, you get `88, 12.479, 191.915`, and if you desaturate by 10%, it is `92, 3.579, 13.159`.

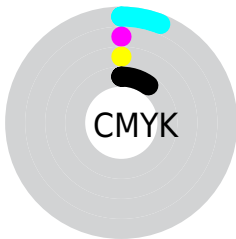
Distribution



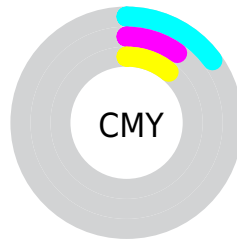
- Red (85%)
- Green (90%)
- Blue (89%)



- Red (85%)
- Yellow (87%)
- Blue (90%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (15%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 4.615, 192.748 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, 4.615, 192.748 by changing the saturation by 10% instead.

90, 4.615, 192.748

90, 4.615, 192.748

100, 4.615,
192.748

80, 4.615, 192.748

70, 4.615, 192.748

60, 4.615, 192.748

50, 4.615, 192.748

40, 4.615, 192.748

30, 4.615, 192.748

20, 4.615, 192.748

10, 4.615, 192.748

0, 4.615, 192.748

90, 4.615, 192.748

90, 4.615, 192.748

88, 12.479,
191.915

92, 3.579, 13.159

87, 19.882,
191.167

93, 9.470, 12.127

86, 26.692,
190.428

93, 9.616, 6.759

85, 32.770,
189.686

93, 10.152,
356.715

84, 37.991,
188.932

93, 10.530,
352.155

83, 42.260,
188.156

93, 10.972,
347.941

83, 45.524,
187.341

93, 11.471,
344.080

83, 47.792,
186.473

93, 12.018,
340.561

■ 82, 49.153,
185.536

Harmonies

Complementary

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



90, 4.615, 192.748



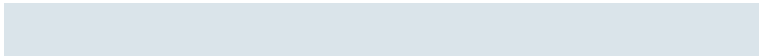
87, 4.762, 13.329

Rectangle

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



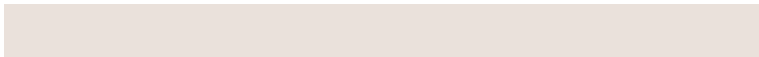
90, 4.615, 192.748



90, 4.615, 242.748



90, 4.615, 12.748



90, 4.615, 62.748

Sweetspot

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



90, 4.616, 192.727



100, 1.784, 193.228



90, 8.033, 141.922



53, 1.014, 193.254



0, 0.000, 0.000



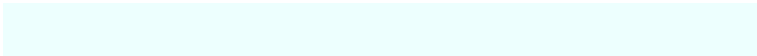
53, 0.007, 296.813

Same Dimension

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



90, 4.616, 192.727



99, 6.193, 192.602



89, 3.853, 246.657



48, 3.687, 192.557



66, 41.077, 185.287



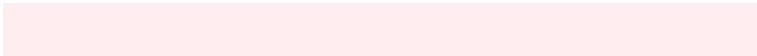
18, 17.028, 186.897

Inverse Universe

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



87, 4.762, 13.329



95, 6.435, 13.466



89, 3.924, 65.173



45, 3.841, 13.517



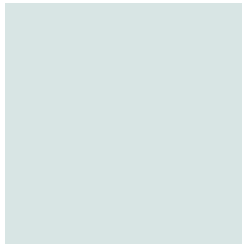
37, 76.781, 36.833



6, 26.873, 18.568

Previews

White Background



This preview shows how the CIELCh color 90, 4.615, 192.748 looks on a white background.

Color Contrast Check

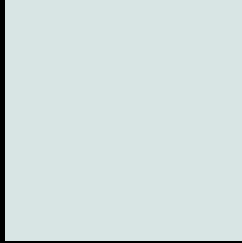
Large Text (above 18pt) WCAG AA × Fail

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, 4.615, 192.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

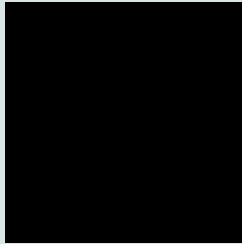
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

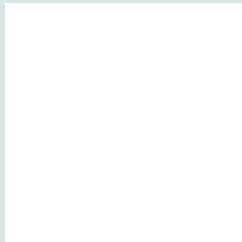
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 4.615, 192.748

Background



This preview shows how black text looks on a background with the CIELCh color 90, 4.615, 192.748.



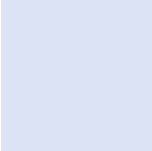
This preview shows how white text looks on a background with the CIELCh color 90, 4.615, 192.748.

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](#).

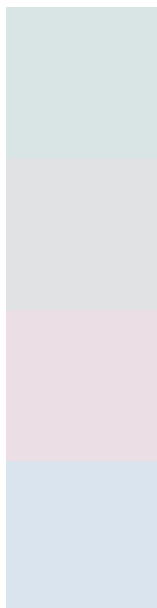
Dichromacy





Tritanopia
90, 9.692, 274.538

Trichromacy



Original Color
90, 4.615, 192.748

Protanomaly
90, 0.633, 256.163

Deuteranomaly
90, 5.337, 343.986

Tritanomaly
90, 6.621, 259.175

Monochromacy



Original Color
90, 4.615, 192.748

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.421, 199.732

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 4.615, 192.748 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(216, 229, 228)` looks like.

```
.text, #text, p{  
    color:rgb(216, 229, 228)  
}
```

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(216, 229, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 229, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 4.615, 192.748 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(216, 229, 228) }
```

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

```
.border{ border-color:rgb(216, 229, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 229, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 229, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 229, 228);  
box-shadow:4px 4px 4px 4px rgb(216, 229,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 4.615, 192.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 229, 228) }
```

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

```
.background{ background-color: rgb(216,  
229, 228) }
```

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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