

Converting Colors

CIE LCh(87, 7.210, 244.633)

Have a look what the booklet for
CIELCh(87, 7.210, 244.633) contains.

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Color

CIELCh(87, 7.293, 245.194)

Conversions

Conversions Part 1

Format	Color
Hex	CDDCE6
RGB	205, 220, 230
RGB Percent	80%, 86%, 90%
CMY	0.1954, 0.1365, 0.0973
CMYK	0.11, 0.04, 0.00, 0.10
HSL	204°, 33%, 85%
HSV	204°, 11%, 90%
XYZ	65.1727, 70.0064, 85.0714
YIQ	216.6550, -12.1500, -0.0700

Conversions

Conversions Part 2

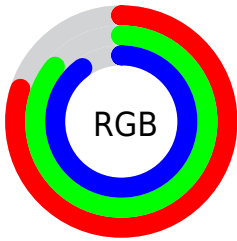
Format	Color
RYB	205, 214, 230
Decimal	13491430
CIELab	87.00, -3.06, -6.62
CIElCh	87, 7.293, 245.194
Yxy	70.0064, 0.2959, 0.3178
Android (android.graphics.Color)	4291681510 (0xFFCDDCE6)
YUV	216.6550, 6.5791, -10.2214
Hunter-Lab	83.6698, -7.3837, -1.7143

Details

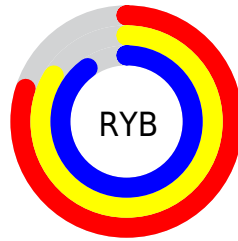
The CIELCh color $87, 7.293, 245.194$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $87, 7.620, 62.710$, and the grayscale version is $87, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $67, 7.403, 247.578$ is the 20% darker color. If you saturate the color by 10%, you get $83, 13.797, 246.536$, and if you desaturate by 10%, it is $91, 0.592, 244.800$.

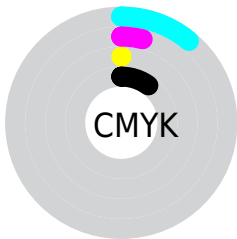
Distribution



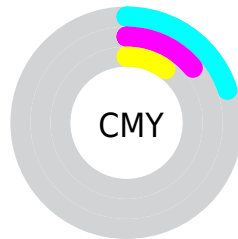
- Red (80%)
- Green (86%)
- Blue (90%)



- Red (80%)
- Yellow (84%)
- Blue (90%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)



- Cyan (20%)
- Magenta (14%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 7.293, 245.194 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 87, 7.293, 245.194 by changing the saturation by 10% instead.

■ 87, 7.293, 245.194

■ 87, 7.293, 245.194

■ 100, 7.293,
245.194

■ 77, 7.293, 245.194

■ 67, 7.293, 245.194

■ 57, 7.293, 245.194

■ 47, 7.293, 245.194

■ 37, 7.293, 245.194

■ 27, 7.293, 245.194

■ 17, 7.293, 245.194

■ 7, 7.293, 245.194

■ 0, 7.293, 245.194

87, 7.293, 245.194

87, 7.293, 245.194

83, 13.797,
246.536

91, 0.592, 244.800

79, 20.053,
248.219

95, 6.257, 62.940

98, 9.317, 93.196

75, 26.010,
250.283

99, 12.562,
109.228

72, 31.624,
252.801

68, 36.877,
255.851

65, 41.789,
259.492

62, 46.435,
263.736

59, 50.951,
268.514

■ 56, 55.142,
273.103

Harmonies

Complementary

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



87, 7.293, 245.194



87, 7.620, 62.710

Rectangle

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



87, 7.293, 245.194



87, 7.293, 295.194



87, 7.293, 65.194



87, 7.293, 115.194

Sweetspot

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



87, 7.292, 245.178



99, 2.215, 244.435



89, 12.076, 157.064



52, 1.676, 244.473



0, 0.000, 0.000



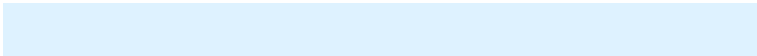
53, 0.007, 296.813

Same Dimension

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



87, 7.292, 245.178



94, 9.454, 245.451



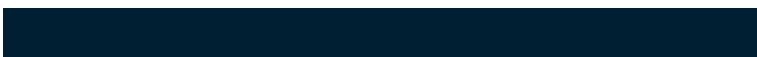
84, 11.682, 286.231



46, 3.811, 245.013



44, 44.983, 272.193



11, 16.761, 262.766

Inverse Universe

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



85, 12.037, 339.422



92, 15.684, 339.605



90, 11.464, 103.819



45, 6.271, 339.305



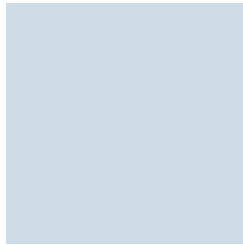
39, 66.902, 352.801



7, 28.855, 347.777

Previews

White Background



This preview shows how the CIELCh color 87, 7.293, 245.194 looks on a white background.

Color Contrast Check

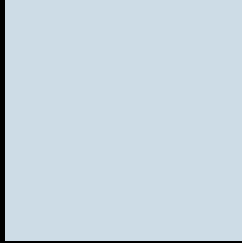
Large Text (above 18pt) WCAG AA × Fail

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 87, 7.293, 245.194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

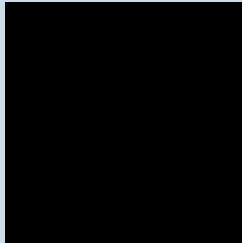
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

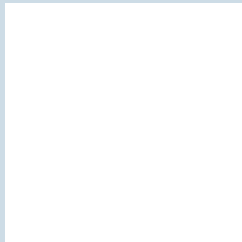
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 7.293, 245.194

Background



This preview shows how black text looks on a background with the CIELCh color 87, 7.293, 245.194.



This preview shows how white text looks on a background with the CIELCh color 87, 7.293, 245.194.

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](#).

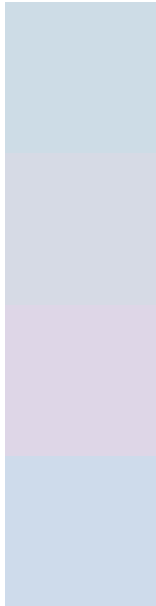
Dichromacy





Tritanopia
87, 10.324, 265.465

Trichromacy



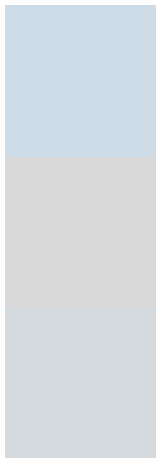
Original Color
87, 7.293, 245.194

Protanomaly
87, 5.906, 276.939

Deuteranomaly
87, 9.390, 308.359

Tritanomaly
87, 9.401, 262.540

Monochromacy



Original Color
87, 7.293, 245.194

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 2.727, 249.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 7.293, 245.194 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(205, 220, 230)` looks like.

```
.text, #text, p{  
    color:rgb(205, 220, 230)  
}
```

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(205, 220, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 220, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 7.293, 245.194 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(205, 220, 230) }
```

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

```
.border{ border-color:rgb(205, 220, 230) }
```

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

Here you see how a box with a 4 pixel rgb(205, 220, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 220, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 220, 230);  
box-shadow:4px 4px 4px 4px rgb(205, 220,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 7.293, 245.194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 220, 230) }
```

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

```
.background{ background-color: rgb(205,  
220, 230) }
```

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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