

Converting Colors

CIELCh(89, 0.520, 290.363)

Have a look what the booklet for
CIELCh(89, 0.520, 290.363) contains.

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Color

CIELCh(89, 0.531, 290.352)

Conversions

Conversions Part 1

Format	Color
Hex	DFDFE0
RGB	223, 223, 224
RGB Percent	87%, 87%, 88%
CMY	0.1238, 0.1238, 0.1199
CMYK	0.00, 0.00, 0.00, 0.12
HSL	240°, 2%, 88%
HSV	240°, 0%, 88%
XYZ	70.5771, 74.1641, 81.4202
YIQ	223.1140, -0.3210, 0.3110

Conversions

Conversions Part 2

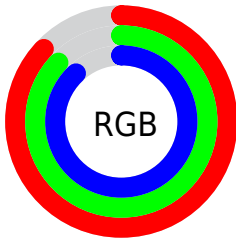
Format	Color
R _Y B	223, 223, 224
Decimal	14671840
CIE Lab	89.00, 0.18, -0.50
CIE LCh	89, 0.531, 290.352
Yxy	74.1641, 0.3121, 0.3279
Android (android.graphics.Color)	4292861920 (0xFFDFDFE0)
YUV	223.1140, 0.4368, -0.1000
Hunter-Lab	86.1186, -4.4208, 4.2277

Details

The CIELCh color $89, 0.531, 290.352$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $89, 0.508, 109.842$, 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 $69, 0.557, 290.335$ is the 20% darker color. If you saturate the color by 10%, you get $82, 12.402, 291.122$, and if you desaturate by 10%, it is $96, 10.887, 109.173$.

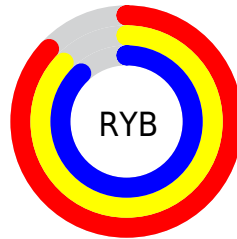
Distribution



Red (87%)

Green (87%)

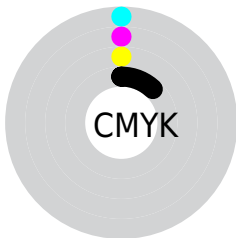
Blue (88%)



Red (87%)

Yellow (87%)

Blue (88%)

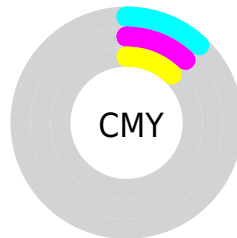


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (12%)



Cyan (12%)

Magenta (12%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 0.531, 290.352 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 89, 0.531, 290.352 by changing the saturation by 10% instead.

■ 89, 0.531, 290.352

■ 89, 0.531, 290.352

100, 0.531,
290.352

■ 79, 0.531, 290.352

■ 69, 0.531, 290.352

■ 59, 0.531, 290.352

■ 49, 0.531, 290.352

■ 39, 0.531, 290.352

■ 29, 0.531, 290.352

■ 19, 0.531, 290.352

■ 9, 0.531, 290.352

■ 0, 0.531, 290.352

89, 0.531, 290.352

89, 0.531, 290.352

82, 12.402,
291.122

96, 10.887,
109.173

74, 24.770,
292.357

99, 15.466,
109.009

67, 37.673,
293.814

59, 51.136,
295.518

52, 65.136,
297.473

45, 79.504,
299.636

39, 93.722,
301.874

34, 106.613,
303.931

■ 30,116.262,
305.459

Harmonies

Complementary

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



89, 0.531, 290.352



89, 0.508, 109.842

Rectangle

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



89, 0.531, 290.352



89, 0.531, 340.352



89, 0.531, 110.352



89, 0.531, 160.352

Sweetspot

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



89, 0.529, 290.204

100, 0.012, 296.813



89, 0.356, 199.675



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

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



89, 0.529, 290.204



99, 1.303, 290.183



89, 0.561, 308.285



47, 0.667, 290.181



21, 101.122, 306.238



2, 31.549, 295.753

Inverse Universe

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



89, 0.360, 17.445



99, 0.895, 18.409



89, 0.540, 128.692



47, 0.458, 18.356



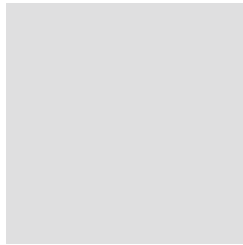
36, 78.943, 39.796



6, 25.531, 20.777

Previews

White Background



This preview shows how the CIELCh color 89, 0.531, 290.352 looks on a white background.

Color Contrast Check

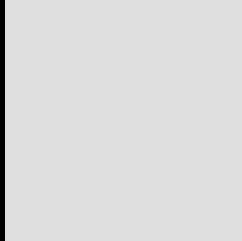
Large Text (above 18pt) WCAG AA × Fail

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 89, 0.531, 290.352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

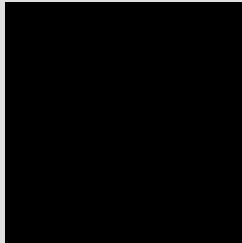
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

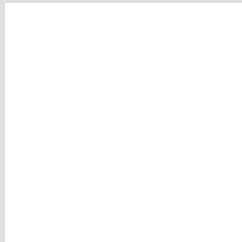
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 0.531, 290.352

Background



This preview shows how black text looks on a background with the CIELCh color 89, 0.531, 290.352.

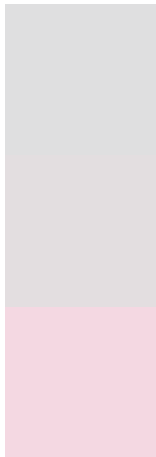


This preview shows how white text looks on a background with the CIELCh color 89, 0.531, 290.352.

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

89, 0.531, 290.352

Protanopia

89, 2.089, 349.377

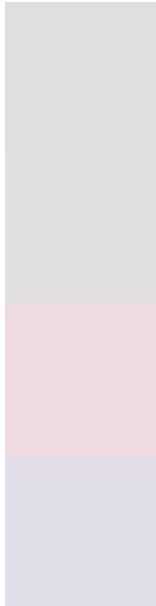
Deuteranopia

89, 11.413, 353.170



Tritanopia
89, 9.577, 301.421

Trichromacy



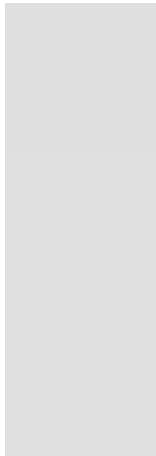
Original Color
89, 0.531, 290.352

Protanomaly
89, 1.205, 353.389

Deuteranomaly
89, 7.230, 354.331

Tritanomaly
89, 6.364, 300.229

Monochromacy



Original Color
89, 0.531, 290.352

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 0.011, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 0.531, 290.352 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(223, 223, 224)` looks like.

```
.text, #text, p{  
    color:rgb(223, 223, 224)  
}
```

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(223, 223, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 223, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 0.531, 290.352 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(223, 223, 224) }
```

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

```
.border{ border-color:rgb(223, 223, 224) }
```

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

Here you see how a box with a 4 pixel rgb(223, 223, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 223, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 223, 224);  
box-shadow:4px 4px 4px 4px rgb(223, 223,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 0.531, 290.352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 223, 224) }
```

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

```
.background{ background-color: rgb(223,  
223, 224) }
```

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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