

Converting Colors

CIELCh(89, 6.193, 105.846)

Have a look what the booklet for
CIELCh(89, 6.193, 105.846) contains.

CIELCh(89, 6.231, 106.291)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 6.231, 106.291)

Conversions

Conversions Part 1

Format	Color
Hex	E1E0D4
RGB	225, 224, 212
RGB Percent	88%, 88%, 83%
CMY	0.1172, 0.1211, 0.1681
CMYK	0.00, 0.00, 0.06, 0.12
HSL	55°, 18%, 86%
HSV	55°, 6%, 88%
XYZ	69.6772, 74.1641, 73.0102
YIQ	222.9310, 4.4480, -3.5200

Conversions

Conversions Part 2

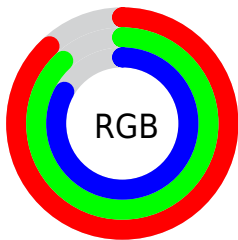
Format	Color
RYB	213, 225, 212
Decimal	14803156
CIELab	89.00, -1.75, 5.98
CIELCh	89, 6.231, 106.291
Yxy	74.1641, 0.3213, 0.3420
Android (android.graphics.Color)	4292993236 (0xFFE1E0D4)
YUV	222.9310, -5.3890, 1.8145
Hunter-Lab	86.1186, -6.2860, 10.0177

Details

The CIELCh color $89, 6.231, 106.291$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $86, 6.317, 287.539$, 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 $69, 6.568, 106.117$ is the 20% darker color. If you saturate the color by 10%, you get $88, 17.036, 105.279$, and if you desaturate by 10%, it is $90, 4.574, 287.358$.

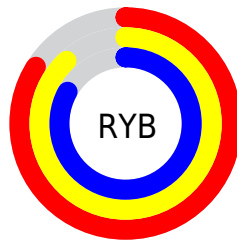
Distribution



Red (88%)

Green (88%)

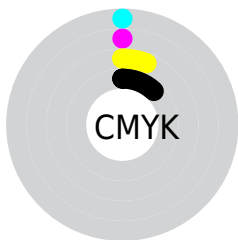
Blue (83%)



Red (84%)

Yellow (88%)

Blue (83%)

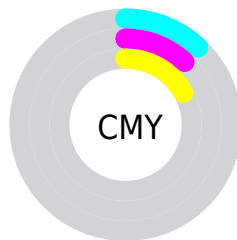


Cyan (0%)

Magenta (0%)

Yellow (6%)

Black (12%)



Cyan (12%)

Magenta (12%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 6.231, 106.291 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, 6.231, 106.291 by changing the saturation by 10% instead.

■ 89, 6.231, 106.291

■ 89, 6.231, 106.291

■ 100, 6.231,
106.291

■ 79, 6.231, 106.291

■ 69, 6.231, 106.291

■ 59, 6.231, 106.291

■ 49, 6.231, 106.291

■ 39, 6.231, 106.291

■ 29, 6.231, 106.291

■ 19, 6.231, 106.291

■ 9, 6.231, 106.291

■ 0, 6.231, 106.291

89, 6.231, 106.291

89, 6.231, 106.291

88, 17.036,
105.279

90, 4.574, 287.358

87, 27.780,
104.229

91, 14.239,
287.981

86, 38.372,
103.176

91, 13.366,
285.178

86, 48.663,
102.137

92, 12.530,
282.003

85, 58.410,
101.133

92, 11.738,
278.397

84, 67.243,
100.186

93, 10.998,
274.299

84, 74.633, 99.322

93, 10.322,
269.650

83, 79.959, 98.561

94, 9.723, 264.402

■ 83, 82.756, 97.904

■ 94, 9.214, 258.536

Harmonies

Complementary

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



89, 6.231, 106.291



86, 6.317, 287.539

Rectangle

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



89, 6.231, 106.291



89, 6.231, 156.291



89, 6.231, 286.291



89, 6.231, 336.291

Sweetspot

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



89, 6.233, 106.306



100, 2.380, 106.659



86, 4.782, 12.840



53, 1.353, 106.667



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 6.233, 106.306



99, 8.361, 106.178



89, 7.046, 125.844



47, 4.892, 106.127



66, 69.457, 97.735



18, 25.969, 99.559

Inverse Universe

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



86, 6.317, 287.539



95, 8.488, 287.678



86, 7.127, 306.372



44, 4.970, 287.735



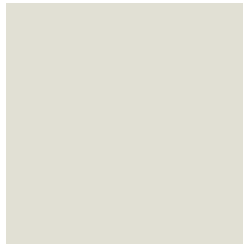
22, 97.721, 305.290



3, 29.952, 294.237

Previews

White Background



This preview shows how the CIELCh color 89, 6.231, 106.291 looks on a white background.

Color Contrast Check

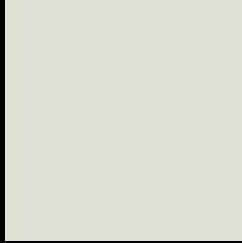
Large Text (above 18pt) WCAG AA × Fail

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, 6.231, 106.291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

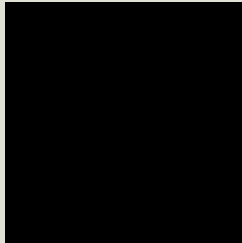
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

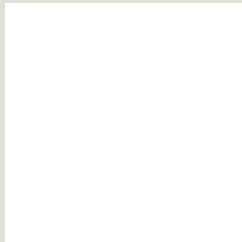
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 6.231, 106.291

Background



This preview shows how black text looks on a background with the CIELCh color 89, 6.231, 106.291.

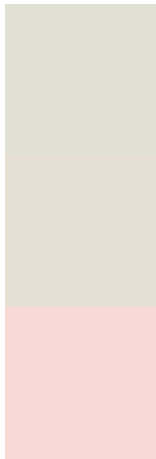


This preview shows how white text looks on a background with the CIELCh color 89, 6.231, 106.291.

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

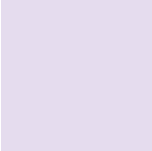
89, 6.231, 106.291

Protanopia

89, 6.719, 87.133

Deuteranopia

89, 12.281, 25.062



Tritanopia
89, 9.949, 309.392

Trichromacy



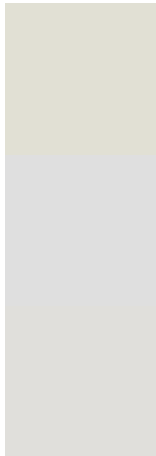
Original Color
89, 6.231, 106.291

Protanomaly
89, 6.477, 93.193

Deuteranomaly
89, 8.350, 41.688

Tritanomaly
89, 4.255, 320.575

Monochromacy



Original Color
89, 6.231, 106.291

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 2.097, 100.072

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 6.231, 106.291 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(225, 224, 212)` looks like.

```
.text, #text, p{  
    color:rgb(225, 224, 212)  
}
```

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(225, 224, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 224, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 6.231, 106.291 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(225, 224, 212) }
```

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

```
.border{ border-color:rgb(225, 224, 212) }
```

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

Here you see how a box with a 4 pixel rgb(225, 224, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 224, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 224, 212);  
box-shadow:4px 4px 4px 4px rgb(225, 224,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 6.231, 106.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 224, 212) }
```

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

```
.background{ background-color: rgb(225,  
224, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor