

Converting Colors

CIELCh(87, 20.197, 108.039)

Have a look what the booklet for
CIELCh(87, 20.197, 108.039)
contains.

CIELCh(87, 20.256, 107.378)	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(87, 20.256, 107.378)

Conversions

Conversions Part 1

Format	Color
Hex	DDDCB5
RGB	221, 220, 181
RGB Percent	87%, 86%, 71%
CMY	0.1327, 0.1366, 0.2896
CMYK	0.00, 0.00, 0.18, 0.13
HSL	59°, 37%, 79%
HSV	59°, 18%, 87%
XYZ	63.8557, 70.0064, 53.9437
YIQ	215.8530, 13.1150, -11.9170

Conversions

Conversions Part 2

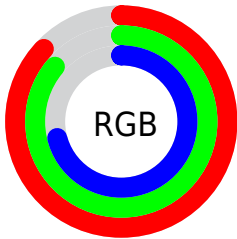
Format	Color
RYB	182, 221, 181
Decimal	14539957
CIELab	87.00, -6.05, 19.33
CIELCh	87, 20.256, 107.378
Yxy	70.0064, 0.3400, 0.3728
Android (android.graphics.Color)	4292730037 (0xFFDDDCB5)
YUV	215.8530, -17.1825, 4.5139
Hunter-Lab	83.6698, -10.1934, 20.3434

Details

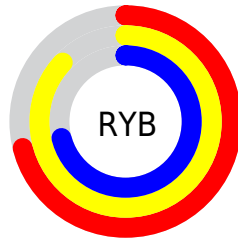
The CIELCh color **87, 20.256, 107.378** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **75, 21.075, 291.220**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 9.112, 109.487**, and **67, 20.241, 106.887** is the 20% darker color. If you saturate the color by 10%, you get **86, 31.322, 106.389**, and if you desaturate by 10%, it is **88, 9.073, 108.372**.

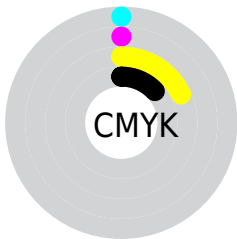
Distribution



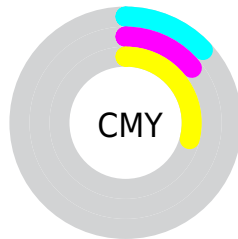
- Red (87%)
- Green (86%)
- Blue (71%)



- Red (71%)
- Yellow (87%)
- Blue (71%)



- Cyan (0%)
- Magenta (0%)
- Yellow (18%)
- Black (13%)





- Cyan (13%)
- Magenta (14%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 20.256, 107.378 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, 20.256, 107.378 by changing the saturation by 10% instead.

 87, 20.256,
107.378

 87, 20.256,
107.378


 100, 20.256,
107.378


 77, 20.256,
107.378

 67, 20.256,
107.378

 57, 20.256,
107.378

 47, 20.256,
107.378

 37, 20.256,
107.378

 27, 20.256,
107.378

 17, 20.256,

107.378

■ 7, 20.256, 107.378

■ 0, 20.256, 107.378

■ 87, 20.256,
107.378

■ 87, 20.256,
107.378

■ 86, 31.322,
106.389

■ 88, 9.073, 108.372

■ 86, 42.152,
105.407

■ 88, 2.158, 289.395

■ 86, 52.568,
104.460

■ 89, 13.391,
290.315

■ 85, 62.291,
103.575

■ 89, 17.002,
290.190

■ 85, 70.910,

■ 90, 16.710,
289.506

102.786

90, 16.421,
288.800

85, 77.889,
102.128

90, 16.135,
288.069

84, 82.678,
101.632

90, 15.851,
287.312

84, 85.082,
101.302

90, 15.570,
286.529

84, 85.420,
101.248

Harmonies

Complementary

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



87, 20.256, 107.378



75, 21.075, 291.220

Rectangle

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



87, 20.256, 107.378



87, 20.256, 157.378



87, 20.256, 287.378



87, 20.256, 337.378

Sweetspot

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



87, 20.258, 107.383



100, 6.293, 108.666



77, 15.372, 18.027



53, 4.294, 108.599



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, 20.258, 107.383



98, 27.616, 106.976



86, 22.019, 127.056



46, 6.324, 108.241



68, 71.257, 101.274



18, 25.863, 102.843

Inverse Universe

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



75, 21.075, 291.220



82, 29.010, 291.771



76, 22.612, 308.768



42, 6.459, 290.169



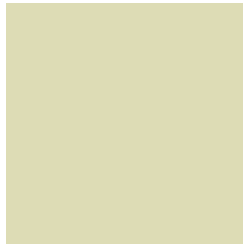
21, 99.041, 305.964



2, 29.088, 294.393

Previews

White Background



This preview shows how the CIELCh color 87, 20.256, 107.378 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, 20.256, 107.378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

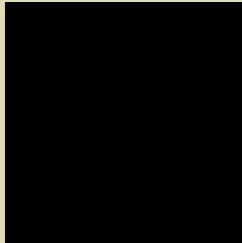
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

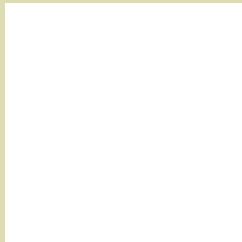
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 20.256, 107.378

Background



This preview shows how black text looks on a background with the CIELCh color 87, 20.256, 107.378.



This preview shows how white text looks on a background with the CIELCh color 87, 20.256, 107.378.

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
87, 20.256, 107.378

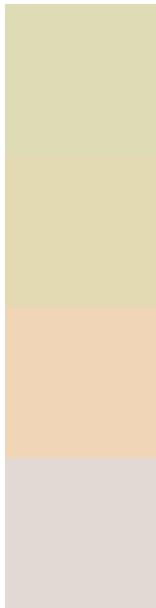
Protanopia
87, 19.906, 93.900

Deuteranopia
87, 21.448, 59.148



Tritanopia
87, 10.432, 321.543

Trichromacy



Original Color
87, 20.256, 107.378

Protanomaly
87, 20.061, 98.525

Deuteranomaly
87, 19.344, 75.949

Tritanomaly
87, 4.196, 49.288

Monochromacy



Original Color
87, 20.256, 107.378

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 7.821, 109.510

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 20.256, 107.378 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(221, 220, 181)` looks like.

```
.text, #text, p{  
    color:rgb(221, 220, 181)  
}
```

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(221, 220, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 220, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 20.256, 107.378 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(221, 220, 181) }
```

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

```
.border{ border-color:rgb(221, 220, 181) }
```

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

Here you see how a box with a 4 pixel rgb(221, 220, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 220, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 220, 181);  
box-shadow:4px 4px 4px 4px rgb(221, 220,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 20.256, 107.378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 220, 181) }
```

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

```
.background{ background-color: rgb(221,  
220, 181) }
```

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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