

Converting Colors

CIELCh(80, 20.738, 31.174)

Have a look what the booklet for
CIELCh(80, 20.738, 31.174) contains.

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Color

CIELCh(80, 20.707, 31.208)

Conversions

Conversions Part 1

Format	Color
Hex	EEBAB3
RGB	238, 186, 179
RGB Percent	93%, 73%, 70%
CMY	0.0658, 0.2698, 0.2972
CMYK	0.00, 0.22, 0.25, 0.07
HSL	7°, 64%, 82%
HSV	7°, 25%, 93%
XYZ	61.0916, 56.6813, 50.4756
YIQ	200.7500, 33.2390, 8.8470

Conversions

Conversions Part 2

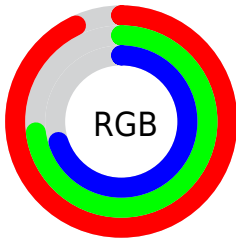
Format	Color
R _Y B	238, 187, 179
Decimal	15645363
CIE Lab	80.00, 17.71, 10.73
CIE LCh	80, 20.707, 31.208
Yxy	56.6813, 0.3631, 0.3369
Android (android.graphics.Color)	4293835443 (0xFFEEBAB3)
YUV	200.7500, -10.7227, 32.6683
Hunter-Lab	75.2870, 13.0917, 12.9503

Details

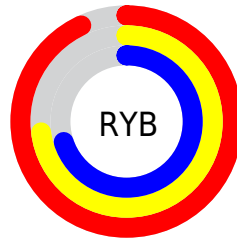
The CIELCh color **80, 20.707, 31.208** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **88, 17.406, 210.528**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 5.869, 56.994**, and **60, 20.616, 32.269** is the 20% darker color. If you saturate the color by 10%, you get **75, 30.296, 31.830**, and if you desaturate by 10%, it is **86, 11.840, 30.791**.

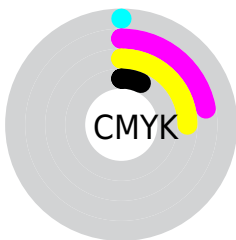
Distribution



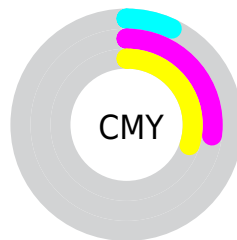
- Red (93%)
- Green (73%)
- Blue (70%)



- Red (93%)
- Yellow (73%)
- Blue (70%)



- Cyan (0%)
- Magenta (22%)
- Yellow (25%)
- Black (7%)



- Cyan (7%)
- Magenta (27%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 20.707, 31.208 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 80, 20.707, 31.208 by changing the saturation by 10% instead.

 80, 20.707, 31.208

 80, 20.707, 31.208

 100, 20.707,
31.208

 70, 20.707, 31.208

 60, 20.707, 31.208

 50, 20.707, 31.208

 40, 20.707, 31.208

 30, 20.707, 31.208

 20, 20.707, 31.208

 10, 20.707, 31.208

 0, 20.707, 31.208

 80, 20.707, 31.208

 80, 20.707, 31.208

75, 30.296, 31.830

86, 11.840, 30.791

69, 40.601, 32.702

91, 3.669, 30.426

65, 51.543, 33.894

97, 3.860, 210.635

60, 62.943, 35.450

99, 5.767, 199.155

57, 74.451, 37.342

54, 85.346, 39.339

52, 94.051, 40.764

51, 97.366, 41.253

Harmonies

Complementary

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



80, 20.707, 31.208



88, 17.406, 210.528

Rectangle

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



80, 20.707, 31.208



80, 20.707, 81.208



80, 20.707, 211.208



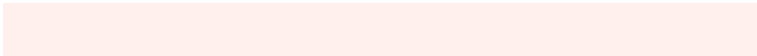
80, 20.707, 261.208

Sweetspot

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



80, 20.705, 31.215



96, 5.740, 30.527



80, 34.630, 329.248



51, 3.739, 30.549



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 20.705, 31.215



82, 27.094, 31.515



87, 20.942, 83.677



47, 4.477, 30.613



39, 79.784, 41.512



9, 27.460, 30.392

Inverse Universe

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



88, 17.406, 210.528



93, 21.827, 210.615



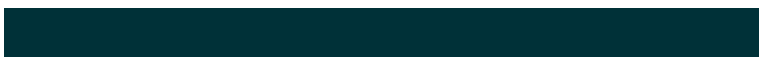
81, 20.488, 270.698



49, 4.209, 210.524



61, 34.449, 218.013



18, 15.199, 214.635

Previews

White Background



This preview shows how the CIELCh color 80, 20.707, 31.208 looks on a white background.

Color Contrast Check

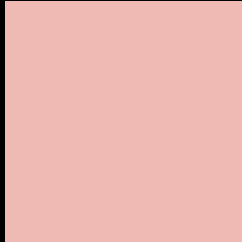
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 80, 20.707, 31.208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

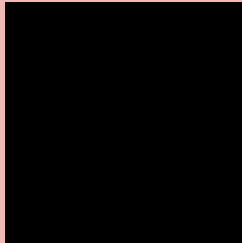
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 20.707, 31.208

Background



This preview shows how black text looks on a background with the CIELCh color 80, 20.707, 31.208.



This preview shows how white text looks on a background with the CIELCh color 80, 20.707, 31.208.

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
80, 20.707, 31.208

Protanopia
80, 7.371, 88.520

Deuteranopia
80, 14.966, 47.563



Tritanopia
80, 22.820, 1.091

Trichromacy



Original Color
80, 20.707, 31.208

Protanomaly
80, 10.580, 53.277

Deuteranomaly
80, 17.083, 40.381

Tritanomaly
80, 21.276, 11.226

Monochromacy



Original Color
80, 20.707, 31.208

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 7.300, 32.412

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 20.707, 31.208 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(238, 186, 179)` looks like.

```
.text, #text, p{  
    color:rgb(238, 186, 179)  
}
```

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(238, 186, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 186, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 20.707, 31.208 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(238, 186, 179) }
```

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

```
.border{ border-color:rgb(238, 186, 179) }
```

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

Here you see how a box with a 4 pixel rgb(238, 186, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 186, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 186, 179);  
box-shadow:4px 4px 4px 4px rgb(238, 186,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 20.707, 31.208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 186, 179) }
```

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

```
.background{ background-color: rgb(238,  
186, 179) }
```

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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