

Converting Colors

CIELCh(81, 19.940, 52.032)

Have a look what the booklet for
CIELCh(81, 19.940, 52.032) contains.

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Color

CIELCh(81, 20.163, 51.868)

Conversions

Conversions Part 1

Format	Color
Hex	EBC0AC
RGB	235, 192, 172
RGB Percent	92%, 75%, 67%
CMY	0.0776, 0.2463, 0.3247
CMYK	0.00, 0.18, 0.27, 0.08
HSL	19°, 61%, 80%
HSV	19°, 27%, 92%
XYZ	60.6890, 58.4711, 47.2158
YIQ	202.5770, 32.0480, 2.8960

Conversions

Conversions Part 2

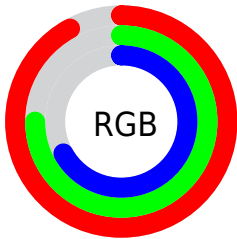
Format	Color
R _Y B	235, 201, 172
Decimal	15450284
CIE Lab	81.00, 12.45, 15.86
CIE LCh	81, 20.163, 51.868
Yxy	58.4711, 0.3648, 0.3514
Android (android.graphics.Color)	4293640364 (0xFFEBC0AC)
YUV	202.5770, -15.0745, 28.4350
Hunter-Lab	76.4664, 7.8537, 16.9166

Details

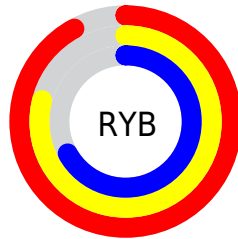
The CIELCh color **81, 20.163, 51.868** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **84, 17.280, 236.527**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 10.966, 95.903**, and **61, 19.979, 50.797** is the 20% darker color. If you saturate the color by 10%, you get **77, 28.773, 51.330**, and if you desaturate by 10%, it is **85, 12.166, 52.494**.

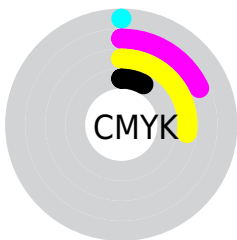
Distribution



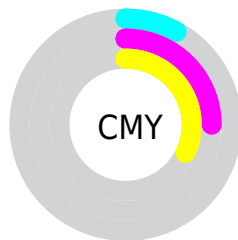
- Red (92%)
- Green (75%)
- Blue (67%)



- Red (92%)
- Yellow (79%)
- Blue (67%)



- Cyan (0%)
- Magenta (18%)
- Yellow (27%)
- Black (8%)



- Cyan (8%)
- Magenta (25%)
- Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 20.163, 51.868 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 81, 20.163, 51.868 by changing the saturation by 10% instead.

 81, 20.163, 51.868

 81, 20.163, 51.868

 100, 20.163,
51.868

 71, 20.163, 51.868

 61, 20.163, 51.868

 51, 20.163, 51.868

 41, 20.163, 51.868

 31, 20.163, 51.868

 21, 20.163, 51.868

 11, 20.163, 51.868

 1, 20.163, 51.868

 0, 20.163, 51.868

81, 20.163, 51.868

81, 20.163, 51.868

77, 28.773, 51.330

85, 12.166, 52.494

72, 38.021, 50.880

90, 4.740, 53.120

68, 47.878, 50.537

95, 2.171, 234.235

65, 58.219, 50.280

99, 6.780, 199.074

61, 68.710, 50.016

58, 78.585, 49.492

56, 86.417, 48.203

55, 88.606, 47.770

Harmonies

Complementary

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



81, 20.163, 51.868



84, 17.280, 236.527

Rectangle

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



81, 20.163, 51.868



81, 20.163, 101.868



81, 20.163, 231.868



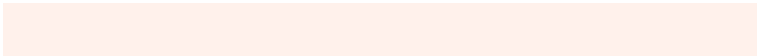
81, 20.163, 281.868

Sweetspot

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



81, 20.162, 51.876



96, 5.991, 53.049



77, 32.272, 336.934



51, 4.282, 52.958



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 20.162, 51.876



85, 26.247, 51.573



89, 26.963, 98.295



47, 3.997, 52.963



42, 72.383, 48.347



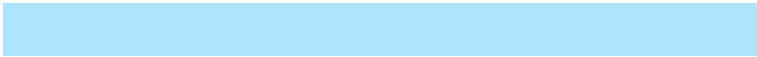
10, 23.348, 42.911

Inverse Universe

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



84, 17.280, 236.527



88, 21.710, 237.310



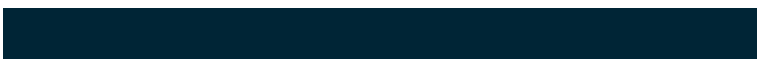
75, 27.905, 285.058



47, 3.806, 234.607



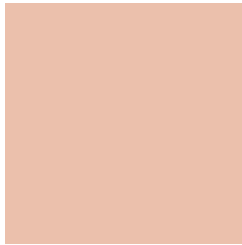
49, 38.942, 259.233



13, 15.537, 250.461

Previews

White Background



This preview shows how the CIELCh color 81, 20.163, 51.868 looks on a white background.

Color Contrast Check

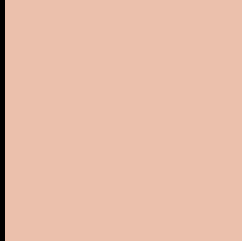
Large Text (above 18pt) WCAG AA × Fail

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 81, 20.163, 51.868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

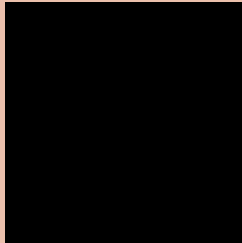
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 20.163, 51.868

Background



This preview shows how black text looks on a background with the CIELCh color 81, 20.163, 51.868.



This preview shows how white text looks on a background with the CIELCh color 81, 20.163, 51.868.

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

81, 20.163, 51.868

Protanopia

81, 13.251, 92.141

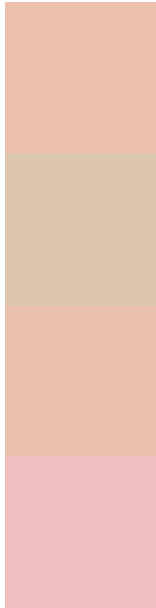
Deuteranopia

81, 18.785, 58.225



Tritanopia
81, 20.427, 359.967

Trichromacy



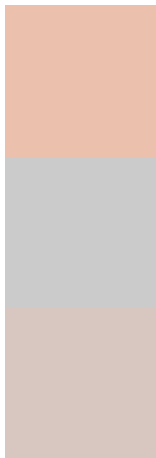
Original Color
81, 20.163, 51.868

Protanomaly
81, 14.915, 74.042

Deuteranomaly
81, 19.442, 54.929

Tritanomaly
81, 18.348, 19.228

Monochromacy



Original Color
81, 20.163, 51.868

Achromatopsia
82, 0.010, 296.813

Achromatomaly
81, 7.054, 51.311

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 20.163, 51.868 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(235, 192, 172)` looks like.

```
.text, #text, p{  
    color:rgb(235, 192, 172)  
}
```

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(235, 192, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 192, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 20.163, 51.868 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(235, 192, 172) }
```

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

```
.border{ border-color:rgb(235, 192, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 192, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 192, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 192, 172);  
box-shadow:4px 4px 4px 4px rgb(235, 192,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 20.163, 51.868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 192, 172) }
```

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

```
.background{ background-color: rgb(235,  
192, 172) }
```

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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