

Converting Colors

CIELCh(75, 56.008, 83.118)

Have a look what the booklet for
CIELCh(75, 56.008, 83.118) contains.

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Color

CIELCh(75, 56.031, 83.212)

Conversions

Conversions Part 1

Format	Color
Hex	E1B24F
RGB	225, 178, 79
RGB Percent	88%, 70%, 31%
CMY	0.1186, 0.3028, 0.6910
CMYK	0.00, 0.21, 0.65, 0.12
HSL	41°, 71%, 60%
HSV	41°, 65%, 88%
XYZ	48.2506, 48.2781, 14.1307
YIQ	180.7670, 59.7910, -20.8250

Conversions

Conversions Part 2

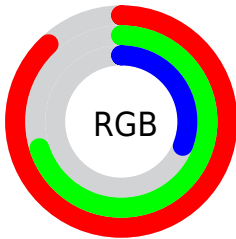
Format	Color
RYB	148, 225, 79
Decimal	14791247
CIELab	75.00, 6.62, 55.64
CIELCh	75, 56.031, 83.212
Yxy	48.2781, 0.4360, 0.4363
Android (android.graphics.Color)	4292981327 (0xFFE1B24F)
YUV	180.7670, -50.1711, 38.7923
Hunter-Lab	69.4824, 2.3613, 36.5799

Details

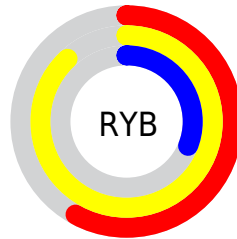
The CIELCh color **75, 56.031, 83.212** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **54, 57.324, 285.513**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 51.752, 95.963**, and **55, 56.085, 83.456** is the 20% darker color. If you saturate the color by 10%, you get **73, 63.725, 81.609**, and if you desaturate by 10%, it is **77, 47.573, 84.708**.

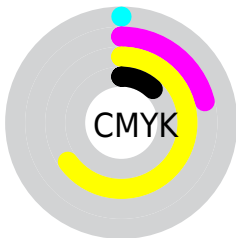
Distribution



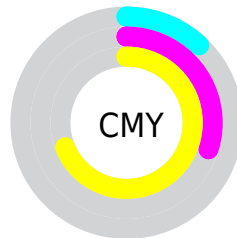
- Red (88%)
- Green (70%)
- Blue (31%)



- Red (58%)
- Yellow (88%)
- Blue (31%)



- Cyan (0%)
- Magenta (21%)
- Yellow (65%)
- Black (12%)



- Cyan (12%)
- Magenta (30%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 56.031, 83.212 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 75, 56.031, 83.212 by changing the saturation by 10% instead.

 75, 56.031, 83.212

 75, 56.031, 83.212

 100, 56.031,
83.212

 65, 56.031, 83.212

 95, 56.031, 83.212

 55, 56.031, 83.212

 45, 56.031, 83.212

 35, 56.031, 83.212

 25, 56.031, 83.212

 15, 56.031, 83.212

 5, 56.031, 83.212

 0, 56.031, 83.212

 75, 56.031, 83.212

 75, 56.031, 83.212

73, 63.725, 81.609

77, 47.573, 84.708

71, 69.941, 79.787

79, 38.802, 86.134

69, 73.819, 77.583

81, 29.969, 87.516

68, 75.061, 76.347

84, 21.207, 88.856

86, 12.580, 90.151

88, 4.115, 91.370

91, 4.182, 272.705

93, 10.577,
270.591

95, 8.647, 245.461

Harmonies

Complementary

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



75, 56.031, 83.212



54, 57.324, 285.513

Rectangle

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



75, 56.031, 83.212



75, 56.031, 133.212



75, 56.031, 263.212



75, 56.031, 313.212

Sweetspot

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



75, 56.031, 83.215



95, 17.794, 89.615



55, 60.560, 3.858



50, 12.281, 89.241



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 56.031, 83.215



81, 72.806, 80.985



85, 71.402, 112.418



46, 4.745, 90.838



55, 62.544, 76.840



14, 20.964, 79.735

Inverse Universe

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



54, 57.324, 285.513



54, 77.558, 290.104



44, 85.781, 303.936



44, 4.750, 273.298



29, 75.127, 297.104



5, 24.378, 287.095

Previews

White Background



This preview shows how the CIELCh color 75, 56.031, 83.212 looks on a white background.

Color Contrast Check

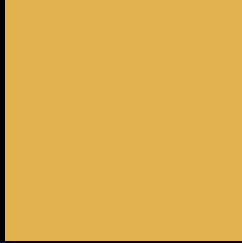
Large Text (above 18pt) WCAG AA × Fail

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 75, 56.031, 83.212 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 75, 56.031, 83.212

Background



This preview shows how black text looks on a background with the CIELCh color 75, 56.031, 83.212.



This preview shows how white text looks on a background with the CIELCh color 75, 56.031, 83.212.

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

75, 56.031, 83.212

Protanopia

75, 54.367, 95.701

Deuteranopia

75, 56.444, 80.444



Tritanopia
75, 26.312, 6.604

Trichromacy



Original Color
75, 56.031, 83.212

Protanomaly
75, 54.572, 90.980

Deuteranomaly
75, 56.219, 81.822

Tritanomaly
75, 29.132, 51.738

Monochromacy



Original Color
75, 56.031, 83.212

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 20.601, 88.708

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 56.031, 83.212 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, 178, 79)` looks like.

```
.text, #text, p{  
    color:rgb(225, 178, 79)  
}
```

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, 178, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 178, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 56.031, 83.212 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, 178, 79) }
```

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

```
.border{ border-color:rgb(225, 178, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 178, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 178, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 178, 79);  
box-shadow:4px 4px 4px 4px rgb(225, 178,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 56.031, 83.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 178, 79) }
```

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

```
.background{ background-color: rgb(225,  
178, 79) }
```

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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