

Converting Colors

CIELCh(75, 52.629, 83.405)

Have a look what the booklet for
CIELCh(75, 52.629, 83.405) contains.

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Color

CIELCh(75, 52.583, 83.198)

Conversions

Conversions Part 1

Format	Color
Hex	DFB256
RGB	223, 178, 86
RGB Percent	87%, 70%, 34%
CMY	0.1249, 0.3014, 0.6622
CMYK	0.00, 0.20, 0.61, 0.12
HSL	40°, 68%, 61%
HSV	40°, 61%, 88%
XYZ	48.1075, 48.2781, 15.6137
YIQ	180.9670, 56.3520, -19.0720

Conversions

Conversions Part 2

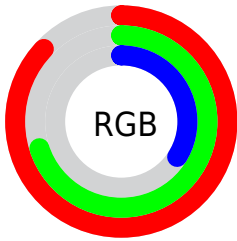
Format	Color
RYB	153, 223, 86
Decimal	14660182
CIELab	75.00, 6.23, 52.21
CIELCh	75, 52.583, 83.198
Yxy	48.2781, 0.4295, 0.4311
Android (android.graphics.Color)	4292850262 (0xFFDFB256)
YUV	180.9670, -46.8187, 36.8629
Hunter-Lab	69.4824, 1.9936, 35.3144

Details

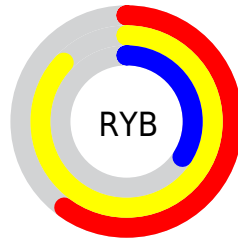
The CIELCh color **75, 52.583, 83.198** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **56, 53.139, 283.931**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 48.805, 96.160**, and **55, 52.460, 83.639** is the 20% darker color. If you saturate the color by 10%, you get **73, 60.588, 81.635**, and if you desaturate by 10%, it is **77, 44.026, 84.673**.

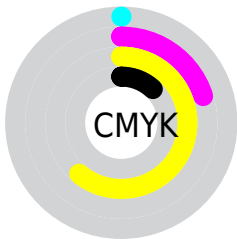
Distribution



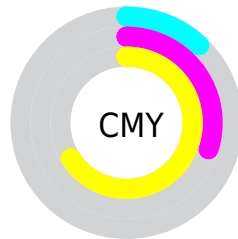
- Red (87%)
- Green (70%)
- Blue (34%)



- Red (60%)
- Yellow (87%)
- Blue (34%)



- Cyan (0%)
- Magenta (20%)
- Yellow (61%)
- Black (12%)



- Cyan (12%)
- Magenta (30%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 52.583, 83.198 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, 52.583, 83.198 by changing the saturation by 10% instead.

75, 52.583, 83.198

75, 52.583, 83.198

100, 52.583,
83.198

65, 52.583, 83.198

95, 52.583, 83.198

55, 52.583, 83.198

45, 52.583, 83.198

35, 52.583, 83.198

25, 52.583, 83.198

15, 52.583, 83.198

5, 52.583, 83.198

0, 52.583, 83.198

75, 52.583, 83.198

75, 52.583, 83.198

73, 60.588, 81.635

77, 44.026, 84.673

71, 67.431, 79.892

79, 35.281, 86.086

69, 72.264, 77.823

82, 26.545, 87.457

68, 74.623, 75.720

84, 17.917, 88.786

86, 9.444, 90.065

89, 1.141, 91.114

91, 6.990, 272.576

93, 10.373,
264.567

95, 8.925, 238.040

Harmonies

Complementary

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



75, 52.583, 83.198



56, 53.139, 283.931

Rectangle

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



75, 52.583, 83.198



75, 52.583, 133.198



75, 52.583, 263.198



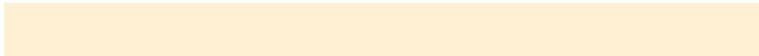
75, 52.583, 313.198

Sweetspot

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



75, 52.583, 83.202



95, 16.734, 89.210



56, 57.375, 2.890



50, 11.664, 88.830



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, 52.583, 83.202



82, 69.577, 81.111



85, 67.821, 112.563



46, 4.714, 90.307



54, 62.508, 76.210



14, 20.871, 79.058

Inverse Universe

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



56, 53.139, 283.931



56, 72.456, 288.246



46, 80.383, 303.434



44, 4.715, 272.777



30, 74.345, 296.739



5, 24.196, 286.794

Previews

White Background



This preview shows how the CIELCh color 75, 52.583, 83.198 looks on a white background.

Color Contrast Check

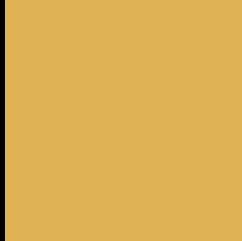
Large Text (above 18pt) WCAG AA × Fail

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 75, 52.583, 83.198 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, 52.583, 83.198

Background



This preview shows how black text looks on a background with the CIELCh color 75, 52.583, 83.198.



This preview shows how white text looks on a background with the CIELCh color 75, 52.583, 83.198.

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, 52.583, 83.198

Protanopia

75, 51.185, 95.485

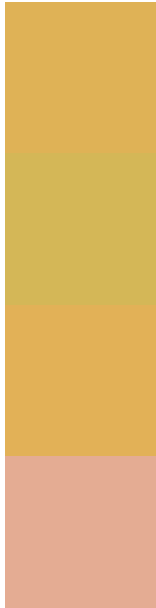
Deuteranopia

75, 52.756, 79.676



Tritanopia
75, 25.151, 5.748

Trichromacy



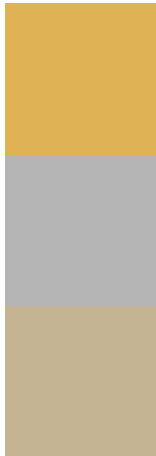
Original Color
75, 52.583, 83.198

Protanomaly
75, 51.719, 91.079

Deuteranomaly
75, 52.522, 81.144

Tritanomaly
75, 27.012, 50.446

Monochromacy



Original Color
75, 52.583, 83.198

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 18.933, 88.497

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 52.583, 83.198 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(223, 178, 86)` looks like.

```
.text, #text, p{  
    color:rgb(223, 178, 86)  
}
```

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(223, 178, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 178, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 52.583, 83.198 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(223, 178, 86) }
```

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

```
.border{ border-color:rgb(223, 178, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 178, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 178, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 178, 86);  
box-shadow:4px 4px 4px 4px rgb(223, 178,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 52.583, 83.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 178, 86) }
```

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

```
.background{ background-color: rgb(223,  
178, 86) }
```

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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