

Converting Colors

CIELCh(75, 60.312, 89.487)

Have a look what the booklet for
CIELCh(75, 60.312, 89.487) contains.

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Color

CIELCh(75, 60.318, 89.501)

Conversions

Conversions Part 1

Format	Color
Hex	D8B543
RGB	216, 181, 67
RGB Percent	85%, 71%, 26%
CMY	0.1513, 0.2887, 0.7357
CMYK	0.00, 0.16, 0.69, 0.15
HSL	46°, 66%, 56%
HSV	46°, 69%, 85%
XYZ	46.0715, 48.2781, 12.2615
YIQ	178.4690, 57.4540, -28.0340

Conversions

Conversions Part 2

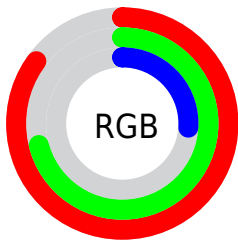
Format	Color
RYB	113, 216, 67
Decimal	14202179
CIELab	75.00, 0.53, 60.32
CIELCh	75, 60.318, 89.501
Yxy	48.2781, 0.4321, 0.4528
Android (android.graphics.Color)	4292392259 (0xFFD8B543)
YUV	178.4690, -54.9542, 32.9147
Hunter-Lab	69.4824, -3.2369, 38.1749

Details

The CIELCh color **75, 60.318, 89.501** 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 **47, 67.169, 292.005**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 58.279, 98.184**, and **55, 60.154, 89.915** is the 20% darker color. If you saturate the color by 10%, you get **74, 67.026, 88.078**, and if you desaturate by 10%, it is **76, 52.388, 90.861**.

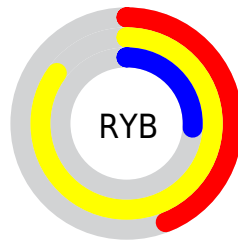
Distribution



Red (85%)

Green (71%)

Blue (26%)



Red (44%)

Yellow (85%)

Blue (26%)

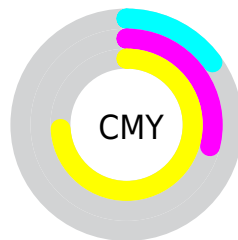


Cyan (0%)

Magenta (16%)

Yellow (69%)

Black (15%)



Cyan (15%)

Magenta (29%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 60.318, 89.501 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, 60.318, 89.501 by changing the saturation by 10% instead.

■ 75, 60.318, 89.501

■ 75, 60.318, 89.501

■ 100, 60.318,
89.501

■ 65, 60.318, 89.501

■ 95, 60.318, 89.501

■ 55, 60.318, 89.501

■ 45, 60.318, 89.501

■ 35, 60.318, 89.501

■ 25, 60.318, 89.501

■ 15, 60.318, 89.501

■ 5, 60.318, 89.501

■ 0, 60.318, 89.501

■ 75, 60.318, 89.501

■ 75, 60.318, 89.501

74, 67.026, 88.078

76, 52.388, 90.861

72, 71.780, 86.520

78, 43.791, 92.181

71, 74.156, 84.751

80, 34.875, 93.474

71, 74.378, 84.547

81, 25.847, 94.739

83, 16.820, 95.972

85, 7.857, 97.161

87, 1.014, 278.531

89, 9.777, 279.480

90, 14.811,
277.285

Harmonies

Complementary

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



75, 60.318, 89.501



47, 67.169, 292.005

Rectangle

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



75, 60.318, 89.501



75, 60.318, 139.501



75, 60.318, 269.501



75, 60.318, 319.501

Sweetspot

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



75, 60.318, 89.504



96, 21.416, 95.688



52, 61.586, 11.594



50, 14.513, 95.345



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, 60.318, 89.504



85, 78.832, 87.335



81, 73.509, 116.197



44, 4.991, 97.097



57, 62.441, 84.889



13, 19.715, 88.284

Inverse Universe

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



47, 67.169, 292.005



46, 94.470, 296.679



41, 87.947, 306.186



42, 5.036, 279.392



25, 82.804, 301.027



4, 23.163, 287.988

Previews

White Background



This preview shows how the CIELCh color 75, 60.318, 89.501 looks on a white background.

Color Contrast Check

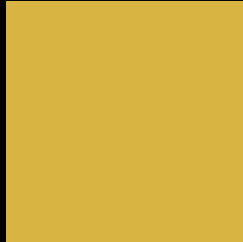
Large Text (above 18pt) WCAG AA × Fail

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, 60.318, 89.501 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, 60.318, 89.501

Background



This preview shows how black text looks on a background with the CIELCh color 75, 60.318, 89.501.



This preview shows how white text looks on a background with the CIELCh color 75, 60.318, 89.501.

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, 60.318, 89.501

Protanopia

75, 60.011, 95.539

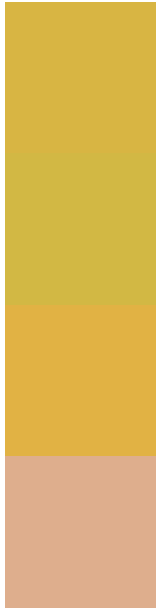
Deuteranopia

75, 60.795, 81.256



Tritanopia
75, 22.116, 3.127

Trichromacy



Original Color
75, 60.318, 89.501

Protanomaly
75, 60.056, 93.399

Deuteranomaly
75, 60.619, 84.314

Tritanomaly
75, 27.013, 61.056

Monochromacy



Original Color
75, 60.318, 89.501

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 23.218, 94.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 60.318, 89.501 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(216, 181, 67)` looks like.

```
.text, #text, p{  
    color:rgb(216, 181, 67)  
}
```

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(216, 181, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 181, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 60.318, 89.501 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(216, 181, 67) }
```

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

```
.border{ border-color:rgb(216, 181, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 181, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 181, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 181, 67);  
box-shadow:4px 4px 4px 4px rgb(216, 181,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 60.318, 89.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 181, 67) }
```

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

```
.background{ background-color: rgb(216,  
181, 67) }
```

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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