

Converting Colors

CIELCh(65, 48.991, 85.348)

Have a look what the booklet for
CIELCh(65, 48.991, 85.348) contains.

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Color

CIELCh(65, 48.719, 85.445)

Conversions

Conversions Part 1

Format	Color
Hex	BD9944
RGB	189, 153, 68
RGB Percent	74%, 60%, 27%
CMY	0.2586, 0.3997, 0.7331
CMYK	0.00, 0.19, 0.64, 0.26
HSL	42°, 48%, 50%
HSV	42°, 64%, 74%
XYZ	33.4486, 34.0472, 10.2869
YIQ	154.0740, 48.7410, -18.8030

Conversions

Conversions Part 2

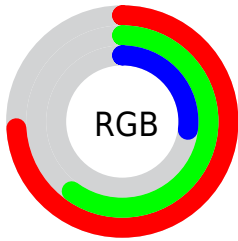
Format	Color
RYB	119, 189, 68
Decimal	12425540
CIELab	65.00, 3.87, 48.57
CIELCh	65, 48.719, 85.445
Yxy	34.0472, 0.4300, 0.4377
Android (android.graphics.Color)	4290615620 (0xFFBD9944)
YUV	154.0740, -42.4345, 30.6301
Hunter-Lab	58.3500, 0.2112, 30.3924

Details

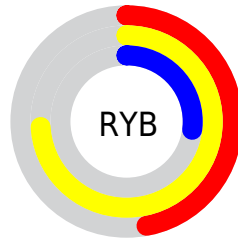
The CIELCh color **65, 48.719, 85.445** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **45, 50.758, 286.632**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 48.899, 85.412**, and **45, 48.647, 85.400** is the 20% darker color. If you saturate the color by 10%, you get **63, 55.496, 83.927**, and if you desaturate by 10%, it is **67, 41.302, 86.881**.

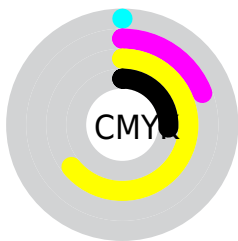
Distribution



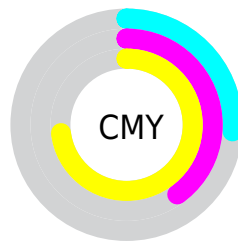
- Red (74%)
- Green (60%)
- Blue (27%)



- Red (47%)
- Yellow (74%)
- Blue (27%)



- Cyan (0%)
- Magenta (19%)
- Yellow (64%)
- Black (26%)



- Cyan (26%)
- Magenta (40%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 48.719, 85.445 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 65, 48.719, 85.445 by changing the saturation by 10% instead.

65, 48.719, 85.445

65, 48.719, 85.445

100, 48.719,
85.445

55, 48.719, 85.445

85, 48.719, 85.445

45, 48.719, 85.445

95, 48.719, 85.445

35, 48.719, 85.445

25, 48.719, 85.445

15, 48.719, 85.445

5, 48.719, 85.445

0, 48.719, 85.445

65, 48.719, 85.445

65, 48.719, 85.445

63, 55.496, 83.927

67, 41.302, 86.881

62, 61.060, 82.242

68, 33.606, 88.261

60, 64.700, 80.264

70, 25.838, 89.601

59, 66.175, 78.970

72, 18.109, 90.903

74, 10.475, 92.162

76, 2.962, 93.336

78, 4.422, 274.632

80, 11.678,
275.732

82, 18.811,
276.804

Harmonies

Complementary

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



65, 48.719, 85.445



45, 50.758, 286.632

Rectangle

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



65, 48.719, 85.445



65, 48.719, 135.445



65, 48.719, 265.445



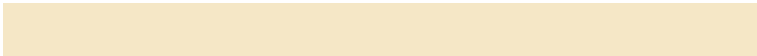
65, 48.719, 315.445

Sweetspot

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



65, 48.719, 85.448



92, 17.615, 91.501



47, 51.839, 5.972



48, 12.147, 91.138



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



65, 48.719, 85.448



80, 70.462, 83.241



73, 61.738, 114.038



39, 4.215, 92.727



50, 58.012, 79.343



8, 11.464, 83.394

Inverse Universe

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



45, 50.758, 286.632



51, 76.773, 291.215



38, 73.271, 304.453



37, 4.229, 275.098



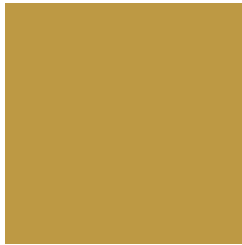
25, 71.400, 298.065



3, 13.857, 280.392

Previews

White Background



This preview shows how the CIELCh color 65, 48.719, 85.445 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 65, 48.719, 85.445 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 65, 48.719, 85.445

Background



This preview shows how black text looks on a background with the CIELCh color 65, 48.719, 85.445.



This preview shows how white text looks on a background with the CIELCh color 65, 48.719, 85.445.

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

65, 48.719, 85.445

Protanopia

65, 47.483, 95.794

Deuteranopia

65, 49.025, 79.885



Tritanopia
65, 21.391, 5.220

Trichromacy



Original Color
65, 48.719, 85.445

Protanomaly
65, 47.779, 91.935

Deuteranomaly
65, 48.579, 81.997

Tritanomaly
65, 23.954, 54.105

Monochromacy



Original Color
65, 48.719, 85.445

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 18.031, 90.789

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 48.719, 85.445 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(189, 153, 68)` looks like.

```
.text, #text, p{  
    color:rgb(189, 153, 68)  
}
```

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(189, 153, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 153, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 48.719, 85.445 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(189, 153, 68) }
```

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

```
.border{ border-color:rgb(189, 153, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 153, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 153, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 153, 68);  
box-shadow:4px 4px 4px 4px rgb(189, 153,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 48.719, 85.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 153, 68) }
```

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

```
.background{ background-color: rgb(189,  
153, 68) }
```

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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