

Converting Colors

CIELCh(65, 45.762, 91.592)

Have a look what the booklet for
CIELCh(65, 45.762, 91.592) contains.

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Color

CIELCh(65, 45.913, 91.651)

Conversions

Conversions Part 1

Format	Color
Hex	B49C49
RGB	180, 156, 73
RGB Percent	71%, 61%, 29%
CMY	0.2934, 0.3875, 0.7130
CMYK	0.00, 0.13, 0.59, 0.29
HSL	47°, 42%, 50%
HSV	47°, 59%, 71%
XYZ	31.9944, 34.0472, 11.2186
YIQ	153.7140, 40.9470, -20.7250

Conversions

Conversions Part 2

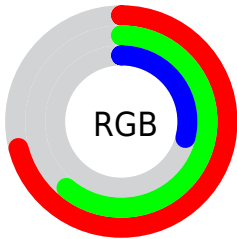
Format	Color
RYB	104, 180, 73
Decimal	11836489
CIELab	65.00, -1.32, 45.89
CIELCh	65, 45.913, 91.651
Yxy	34.0472, 0.4141, 0.4407
Android (android.graphics.Color)	4290026569 (0xFFB49C49)
YUV	153.7140, -39.7920, 23.0528
Hunter-Lab	58.3500, -4.2375, 29.4456

Details

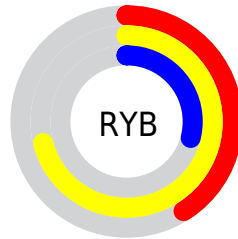
The CIELCh color **65, 45.913, 91.651** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **43, 49.818, 289.668**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 45.985, 91.524**, and **45, 45.682, 91.784** is the 20% darker color. If you saturate the color by 10%, you get **64, 52.769, 90.340**, and if you desaturate by 10%, it is **66, 38.474, 92.938**.

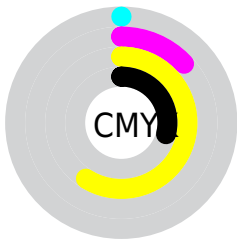
Distribution



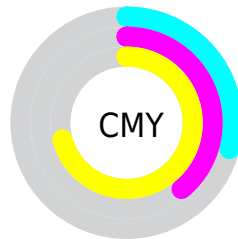
- Red (71%)
- Green (61%)
- Blue (29%)



- Red (41%)
- Yellow (71%)
- Blue (29%)



- Cyan (0%)
- Magenta (13%)
- Yellow (59%)
- Black (29%)



- Cyan (29%)
- Magenta (39%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 45.913, 91.651 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, 45.913, 91.651 by changing the saturation by 10% instead.

■ 65, 45.913, 91.651

■ 65, 45.913, 91.651

■ 100, 45.913,
91.651

■ 55, 45.913, 91.651

■ 85, 45.913, 91.651

■ 45, 45.913, 91.651

■ 95, 45.913, 91.651

■ 35, 45.913, 91.651

■ 25, 45.913, 91.651

■ 15, 45.913, 91.651

■ 5, 45.913, 91.651

■ 0, 45.913, 91.651

■ 65, 45.913, 91.651

■ 65, 45.913, 91.651

■ 64, 52.769, 90.340

■ 66, 38.474, 92.938

63, 58.579, 88.972

68, 30.747, 94.199

61, 62.735, 87.493

69, 22.910, 95.436

60, 65.056, 85.864

70, 15.061, 96.644

60, 65.191, 85.766

72, 7.256, 97.810

73, 0.477, 279.303

75, 8.124, 280.086

77, 15.681,
281.126

78, 23.147,
282.124

Harmonies

Complementary

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



65, 45.913, 91.651



43, 49.818, 289.668

Rectangle

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



65, 45.913, 91.651



65, 45.913, 141.651



65, 45.913, 271.651



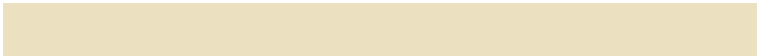
65, 45.913, 321.651

Sweetspot

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



65, 45.913, 91.654



90, 17.316, 96.772



46, 46.376, 9.808



47, 12.038, 96.430



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



65, 45.913, 91.654



81, 66.450, 89.962



69, 56.418, 117.204



37, 4.342, 97.819



52, 57.844, 86.018



6, 9.550, 92.723

Inverse Universe

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



43, 49.818, 289.668



49, 75.347, 293.325



39, 65.046, 305.539



35, 4.384, 280.042



22, 76.714, 301.178



2, 11.102, 281.966

Previews

White Background



This preview shows how the CIELCh color 65, 45.913, 91.651 looks on a white background.

Color Contrast Check

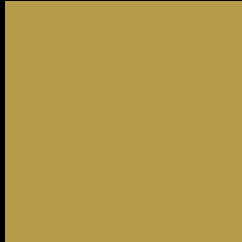
Large Text (above 18pt) WCAG AA × Fail

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, 45.913, 91.651 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, 45.913, 91.651

Background



This preview shows how black text looks on a background with the CIELCh color 65, 45.913, 91.651.



This preview shows how white text looks on a background with the CIELCh color 65, 45.913, 91.651.

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, 45.913, 91.651

Protanopia

65, 45.601, 95.651

Deuteranopia

65, 46.092, 79.270



Tritanopia
65, 17.142, 0.431

Trichromacy



Original Color
65, 45.913, 91.651

Protanomaly
65, 45.436, 93.895

Deuteranomaly
65, 45.918, 83.422

Tritanomaly
65, 19.637, 60.393

Monochromacy



Original Color
65, 45.913, 91.651

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 17.028, 95.713

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 45.913, 91.651 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(180, 156, 73)` looks like.

```
.text, #text, p{  
    color:rgb(180, 156, 73)  
}
```

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(180, 156, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 156, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 45.913, 91.651 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(180, 156, 73) }
```

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

```
.border{ border-color:rgb(180, 156, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 156, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 156, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 156, 73);  
box-shadow:4px 4px 4px 4px rgb(180, 156,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 45.913, 91.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 156, 73) }
```

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

```
.background{ background-color: rgb(180,  
156, 73) }
```

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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