

Converting Colors

CIELCh(65, 46.935, 89.541)

Have a look what the booklet for
CIELCh(65, 46.935, 89.541) contains.

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Color

CIELCh(65, 46.935, 89.541)

Conversions

Conversions Part 1

Format	Color
Hex	B79B47
RGB	183, 155, 71
RGB Percent	72%, 61%, 28%
CMY	0.2816, 0.3915, 0.7209
CMYK	0.00, 0.15, 0.61, 0.28
HSL	45°, 44%, 50%
HSV	45°, 61%, 72%
XYZ	32.4655, 34.0472, 10.8496
YIQ	153.7960, 43.6520, -20.1880

Conversions

Conversions Part 2

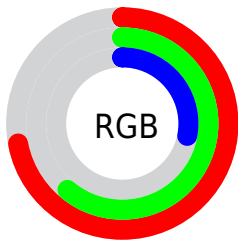
Format	Color
RYB	108, 183, 71
Decimal	12032839
CIELab	65.00, 0.38, 46.93
CIELCh	65, 46.935, 89.541
Yxy	34.0472, 0.4197, 0.4401
Android (android.graphics.Color)	4290222919 (0xFFB79B47)
YUV	153.7960, -40.8184, 25.6119
Hunter-Lab	58.3500, -2.7964, 29.8206

Details

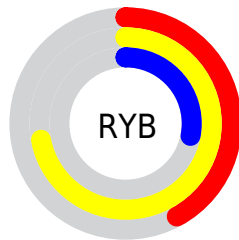
The CIELCh color **65, 46.935, 89.541** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **44, 50.337, 288.703**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 47.001, 89.614**, and **45, 46.809, 89.403** is the 20% darker color. If you saturate the color by 10%, you get **64, 53.734, 88.158**, and if you desaturate by 10%, it is **66, 39.529, 90.882**.

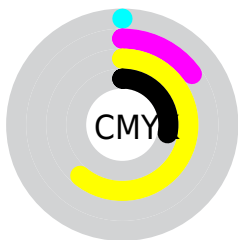
Distribution



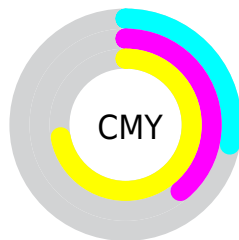
- Red (72%)
- Green (61%)
- Blue (28%)



- Red (42%)
- Yellow (72%)
- Blue (28%)



- Cyan (0%)
- Magenta (15%)
- Yellow (61%)
- Black (28%)



- Cyan (28%)
- Magenta (39%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 46.935, 89.541 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, 46.935, 89.541 by changing the saturation by 10% instead.

65, 46.935, 89.541

65, 46.935, 89.541

100, 46.935,
89.541

55, 46.935, 89.541

85, 46.935, 89.541

45, 46.935, 89.541

95, 46.935, 89.541

35, 46.935, 89.541

25, 46.935, 89.541

15, 46.935, 89.541

5, 46.935, 89.541

0, 46.935, 89.541

65, 46.935, 89.541

65, 46.935, 89.541

64, 53.734, 88.158

66, 39.529, 90.882

62, 59.424, 86.681

68, 31.834, 92.187

61, 63.361, 85.037

69, 24.038, 93.463

60, 65.396, 83.425

71, 16.245, 94.705

73, 8.511, 95.906

74, 0.865, 96.895

76, 6.683, 278.249

78, 14.128,
279.314

80, 21.472,
280.339

Harmonies

Complementary

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



65, 46.935, 89.541



44, 50.337, 288.703

Rectangle

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



65, 46.935, 89.541



65, 46.935, 139.541



65, 46.935, 269.541



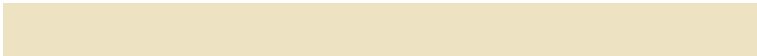
65, 46.935, 319.541

Sweetspot

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



65, 46.935, 89.544



90, 17.025, 95.053



46, 48.369, 7.726



48, 11.946, 94.699



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



65, 46.935, 89.544



80, 67.488, 87.720



71, 58.267, 115.662



38, 4.327, 96.117



51, 58.013, 83.709



7, 10.627, 89.396

Inverse Universe

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



44, 50.337, 288.703



49, 75.617, 292.589



39, 68.010, 304.890



36, 4.360, 278.397



23, 75.274, 300.197



2, 12.643, 281.532

Previews

White Background



This preview shows how the CIELCh color 65, 46.935, 89.541 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, 46.935, 89.541 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, 46.935, 89.541

Background



This preview shows how black text looks on a background with the CIELCh color 65, 46.935, 89.541.



This preview shows how white text looks on a background with the CIELCh color 65, 46.935, 89.541.

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, 46.935, 89.541

Protanopia

65, 46.547, 95.726

Deuteranopia

65, 47.457, 79.836



Tritanopia
65, 18.287, 1.927

Trichromacy



Original Color
65, 46.935, 89.541

Protanomaly
65, 46.485, 93.459

Deuteranomaly
65, 47.033, 83.221

Tritanomaly
65, 21.023, 57.421

Monochromacy



Original Color
65, 46.935, 89.541

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 17.255, 92.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 46.935, 89.541 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(183, 155, 71)` looks like.

```
.text, #text, p{  
    color:rgb(183, 155, 71)  
}
```

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(183, 155, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 155, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 46.935, 89.541 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(183, 155, 71) }
```

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

```
.border{ border-color:rgb(183, 155, 71) }
```

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

Here you see how a box with a 4 pixel rgb(183, 155, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 155, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 155, 71);  
box-shadow:4px 4px 4px 4px rgb(183, 155,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 46.935, 89.541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 155, 71) }
```

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

```
.background{ background-color: rgb(183,  
155, 71) }
```

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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