

Converting Colors

CIELCh(63, 65.487, 92.065)

Have a look what the booklet for
CIELCh(63, 65.487, 92.065) contains.

CIELCh(63, 65.460, 91.906)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(63, 65.460, 91.906)

Conversions

Conversions Part 1

Format	Color
Hex	B2970A
RGB	178, 151, 10
RGB Percent	70%, 59%, 4%
CMY	0.3023, 0.4081, 0.9614
CMYK	0.00, 0.15, 0.94, 0.30
HSL	50°, 90%, 37%
HSV	50°, 94%, 70%
XYZ	29.4502, 31.5869, 4.8268
YIQ	142.9990, 61.3530, -38.1270

Conversions

Conversions Part 2

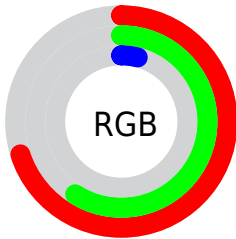
Format	Color
RYB	42, 178, 10
Decimal	11704074
CIELab	63.00, -2.18, 65.42
CIELCh	63, 65.460, 91.906
Yxy	31.5869, 0.4471, 0.4796
Android (android.graphics.Color)	4289894154 (0xFFB2970A)
YUV	142.9990, -65.5685, 30.6959
Hunter-Lab	56.2022, -4.8191, 34.2496

Details

The CIELCh color **63, 65.460, 91.906** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **26, 88.293, 302.374**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 65.418, 91.809**, and **43, 50.228, 91.315** is the 20% darker color. If you saturate the color by 10%, you get **63, 66.524, 91.253**, and if you desaturate by 10%, it is **64, 62.547, 93.078**.

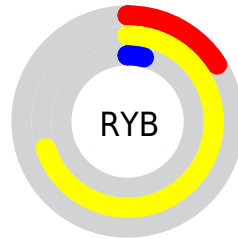
Distribution



Red (70%)

Green (59%)

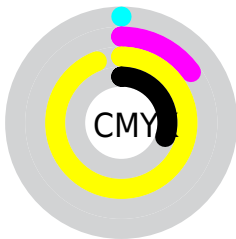
Blue (4%)



Red (16%)

Yellow (70%)

Blue (4%)

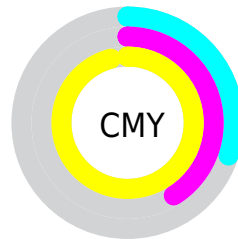


Cyan (0%)

Magenta (15%)

Yellow (94%)

Black (30%)



Cyan (30%)

Magenta (41%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 65.460, 91.906 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 63, 65.460, 91.906 by changing the saturation by 10% instead.

■ 63, 65.460, 91.906

■ 63, 65.460, 91.906

■ 100, 65.460,
91.906

■ 53, 65.460, 91.906

■ 83, 65.460, 91.906

■ 43, 65.460, 91.906

■ 93, 65.460, 91.906

■ 33, 65.460, 91.906

■ 23, 65.460, 91.906

■ 13, 65.460, 91.906

■ 3, 65.460, 91.906

■ 0, 65.460, 91.906

■ 63, 65.460, 91.906

■ 63, 65.460, 91.906

■ 63, 66.524, 91.253

■ 64, 62.547, 93.078

65, 57.658, 94.219

66, 51.326, 95.359

67, 44.080, 96.510

68, 36.304, 97.667

69, 28.249, 98.822

70, 20.067, 99.966

71, 11.849,
101.087

72, 3.646, 102.160

Harmonies

Complementary

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



63, 65.460, 91.906



26, 88.293, 302.374

Rectangle

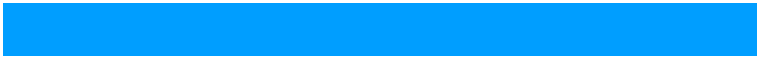
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 65.460, 91.906



63, 65.460, 141.906



63, 65.460, 271.906



63, 65.460, 321.906

Sweetspot

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



63, 65.459, 91.908



88, 28.496, 99.509



37, 69.464, 29.062



47, 19.824, 99.019



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



63, 65.459, 91.908



80, 81.031, 91.024



66, 77.245, 120.896



37, 4.642, 101.650



54, 59.581, 91.409



7, 10.429, 98.486

Inverse Universe

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



26, 88.293, 302.374



32, 114.580, 303.924



25, 95.712, 308.871



35, 4.707, 283.755



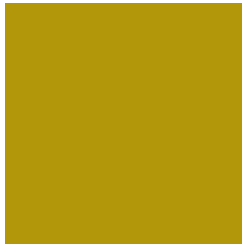
20, 82.198, 303.275



1, 11.706, 284.614

Previews

White Background



This preview shows how the CIELCh color 63, 65.460, 91.906 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 63, 65.460, 91.906 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 63, 65.460, 91.906

Background



This preview shows how black text looks on a background with the CIELCh color 63, 65.460, 91.906.

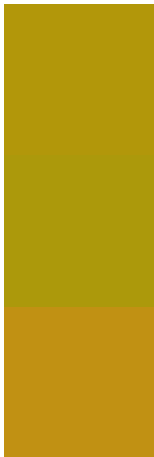


This preview shows how white text looks on a background with the CIELCh color 63, 65.460, 91.906.

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

63, 65.460, 91.906

Protanopia

63, 65.271, 95.238

Deuteranopia

63, 65.039, 82.939



Tritanopia
63, 19.184, 2.921

Trichromacy



Original Color
63, 65.460, 91.906

Protanomaly
63, 65.177, 93.973

Deuteranomaly
63, 65.047, 85.940

Tritanomaly
62, 30.310, 72.802

Monochromacy



Original Color
63, 65.460, 91.906

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 28.664, 98.132

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 65.460, 91.906 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(178, 151, 10)` looks like.

```
.text, #text, p{  
    color:rgb(178, 151, 10)  
}
```

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(178, 151, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 151, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 65.460, 91.906 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(178, 151, 10) }
```

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

```
.border{ border-color:rgb(178, 151, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 151, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 151, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 151, 10);  
box-shadow:4px 4px 4px 4px rgb(178, 151,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 65.460, 91.906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 151, 10) }
```

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

```
.background{ background-color: rgb(178,  
151, 10) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor