

Converting Colors

CIELCh(65, 45.180, 93.530)

Have a look what the booklet for
CIELCh(65, 45.180, 93.530) contains.

CIELCh(65, 45.064, 93.277)	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(65, 45.064, 93.277)

Conversions

Conversions Part 1

Format	Color
Hex	B29D4B
RGB	178, 157, 75
RGB Percent	70%, 62%, 29%
CMY	0.3023, 0.3846, 0.7062
CMYK	0.00, 0.12, 0.58, 0.30
HSL	48°, 41%, 50%
HSV	48°, 58%, 70%
XYZ	31.6498, 34.0472, 11.5461
YIQ	153.9310, 38.8380, -21.0500

Conversions

Conversions Part 2

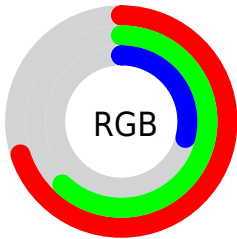
Format	Color
RYB	101, 178, 75
Decimal	11705675
CIELab	65.00, -2.58, 44.99
CIELCh	65, 45.064, 93.277
Yxy	34.0472, 0.4097, 0.4408
Android (android.graphics.Color)	4289895755 (0xFFB29D4B)
YUV	153.9310, -38.9130, 21.1085
Hunter-Lab	58.3500, -5.2916, 29.1128

Details

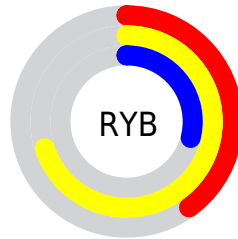
The CIELCh color **65, 45.064, 93.277** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **43, 49.262, 290.373**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 45.133, 92.986**, and **45, 45.146, 93.043** is the 20% darker color. If you saturate the color by 10%, you get **64, 51.986, 92.023**, and if you desaturate by 10%, it is **66, 37.581, 94.521**.

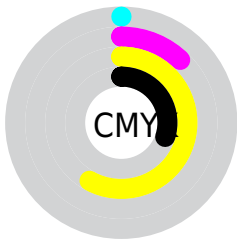
Distribution



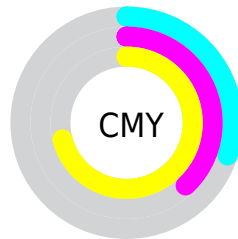
- Red (70%)
- Green (62%)
- Blue (29%)



- Red (40%)
- Yellow (70%)
- Blue (29%)



- Cyan (0%)
- Magenta (12%)
- Yellow (58%)
- Black (30%)



- Cyan (30%)
- Magenta (38%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 45.064, 93.277 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, 45.064, 93.277 by changing the saturation by 10% instead.

 65, 45.064, 93.277

 65, 45.064, 93.277

 100, 45.064,
93.277

 55, 45.064, 93.277

 85, 45.064, 93.277

 45, 45.064, 93.277

 95, 45.064, 93.277

 35, 45.064, 93.277

 25, 45.064, 93.277

 15, 45.064, 93.277

 5, 45.064, 93.277

 0, 45.064, 93.277

 65, 45.064, 93.277

 65, 45.064, 93.277

 64, 51.986, 92.023

 66, 37.581, 94.521

63, 57.911, 90.734

67, 29.815, 95.747

62, 62.265, 89.377

69, 21.931, 96.953

61, 64.684, 87.902

70, 14.027, 98.132

61, 65.131, 87.590

71, 6.157, 99.269

73, 1.653, 280.495

74, 9.386, 281.493

76, 17.037,
282.512

77, 24.604,
283.488

Harmonies

Complementary

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



65, 45.064, 93.277



43, 49.262, 290.373

Rectangle

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



65, 45.064, 93.277



65, 45.064, 143.277



65, 45.064, 273.277



65, 45.064, 323.277

Sweetspot

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



65, 45.064, 93.280



89, 16.542, 98.200



46, 44.762, 10.683



47, 11.162, 97.970



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, 45.064, 93.280



81, 65.219, 91.729



69, 54.783, 117.983



37, 4.436, 99.110



53, 58.337, 87.798



7, 9.815, 94.648

Inverse Universe

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



43, 49.262, 290.373



49, 74.398, 293.759



40, 62.659, 305.824



35, 4.486, 281.295



21, 78.581, 301.922



2, 11.294, 282.849

Previews

White Background



This preview shows how the CIELCh color 65, 45.064, 93.277 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, 45.064, 93.277 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, 45.064, 93.277

Background



This preview shows how black text looks on a background with the CIELCh color 65, 45.064, 93.277.



This preview shows how white text looks on a background with the CIELCh color 65, 45.064, 93.277.

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, 45.064, 93.277

Protanopia

65, 45.124, 95.610

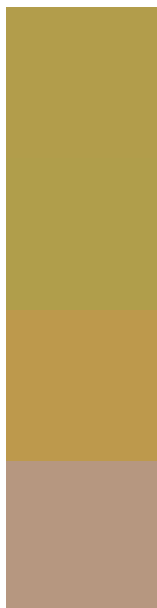
Deuteranopia

65, 45.175, 78.864



Tritanopia
65, 15.647, 358.150

Trichromacy



Original Color
65, 45.064, 93.277

Protanomaly
65, 45.213, 95.049

Deuteranomaly
65, 45.033, 84.356

Tritanomaly
65, 18.327, 63.808

Monochromacy



Original Color
65, 45.064, 93.277

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 16.940, 97.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 45.064, 93.277 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, 157, 75)` looks like.

```
.text, #text, p{  
    color:rgb(178, 157, 75)  
}
```

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, 157, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 157, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 45.064, 93.277 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, 157, 75) }
```

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

```
.border{ border-color:rgb(178, 157, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 157, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 157, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 157, 75);  
box-shadow:4px 4px 4px 4px rgb(178, 157,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 45.064, 93.277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 157, 75) }
```

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

```
.background{ background-color: rgb(178,  
157, 75) }
```

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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