

Converting Colors

CIELCh(50, 63.086, 66.498)

Have a look what the booklet for
CIELCh(50, 63.086, 66.498) contains.

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Color

CIELCh(50, 62.880, 66.532)

Conversions

Conversions Part 1

Format	Color
Hex	B06401
RGB	176, 100, 1
RGB Percent	69%, 39%, 0%
CMY	0.3088, 0.6070, 0.9948
CMYK	0.00, 0.43, 0.99, 0.31
HSL	34°, 98%, 35%
HSV	34°, 99%, 69%
XYZ	22.5482, 18.4187, 2.4049
YIQ	111.4380, 77.0750, -14.6770

Conversions

Conversions Part 2

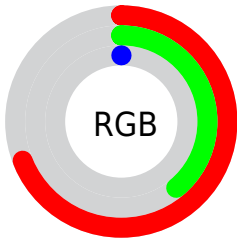
Format	Color
RYB	135, 176, 1
Decimal	11559937
CIELab	50.00, 25.04, 57.68
CIELCh	50, 62.880, 66.532
Yxy	18.4187, 0.5199, 0.4247
Android (android.graphics.Color)	4289750017 (0xFFB06401)
YUV	111.4380, -54.4459, 56.6209
Hunter-Lab	42.9170, 18.6775, 26.7195

Details

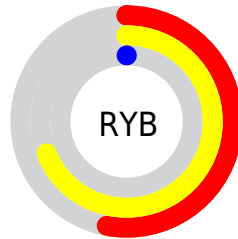
The CIELCh color **50, 62.880, 66.532** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **35, 61.432, 289.397**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 62.843, 66.405**, and **30, 48.446, 57.739** is the 20% darker color. If you saturate the color by 10%, you get **50, 63.192, 66.361**, and if you desaturate by 10%, it is **52, 58.890, 69.034**.

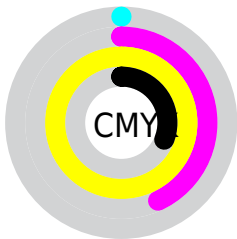
Distribution



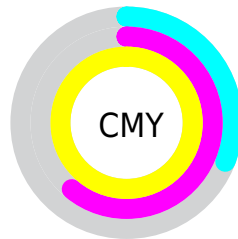
- Red (69%)
- Green (39%)
- Blue (0%)



- Red (53%)
- Yellow (69%)
- Blue (0%)



- Cyan (0%)
- Magenta (43%)
- Yellow (99%)
- Black (31%)



- Cyan (31%)
- Magenta (61%)
- Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 62.880, 66.532 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 50, 62.880, 66.532 by changing the saturation by 10% instead.

■ 50, 62.880, 66.532

■ 50, 62.880, 66.532

■ 100, 62.880,
66.532

■ 40, 62.880, 66.532

■ 70, 62.880, 66.532

■ 30, 62.880, 66.532

■ 80, 62.880, 66.532

■ 20, 62.880, 66.532

■ 90, 62.880, 66.532

■ 10, 62.880, 66.532

■ 0, 62.880, 66.532

■ 50, 62.880, 66.532

■ 50, 62.880, 66.532

■ 50, 63.192, 66.361

■ 52, 58.890, 69.034

■ 54, 53.409, 71.077

■ 56, 46.826, 72.760

■ 58, 39.778, 74.263

■ 60, 32.638, 75.680

■ 62, 25.597, 77.050

■ 65, 18.746, 78.387

■ 67, 12.117, 79.691

■ 70, 5.715, 80.944

Harmonies

Complementary

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



50, 62.880, 66.532



35, 61.432, 289.397

Rectangle

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



50, 62.880, 66.532



50, 62.880, 116.532



50, 62.880, 246.532



50, 62.880, 296.532

Sweetspot

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



50, 62.878, 66.534



82, 23.888, 78.218



38, 63.853, 6.307



42, 16.399, 77.670



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



50, 62.878, 66.534



64, 77.130, 65.686



69, 73.443, 105.925



37, 3.538, 80.933



44, 56.867, 66.794



5, 7.791, 70.258

Inverse Universe

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



35, 61.432, 289.397



45, 76.847, 290.448



21, 100.788, 306.371



36, 3.496, 263.422



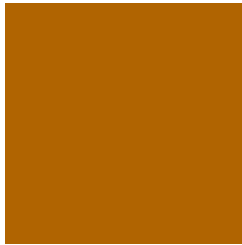
30, 55.149, 289.181



3, 9.314, 270.866

Previews

White Background



This preview shows how the CIELCh color 50, 62.880, 66.532 looks on a white 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 × Fail

Black Background



This preview shows how the CIELCh color 50, 62.880, 66.532 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 62.880, 66.532

Background



This preview shows how black text looks on a background with the CIELCh color 50, 62.880, 66.532.



This preview shows how white text looks on a background with the CIELCh color 50, 62.880, 66.532.

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



Trichromacy



Original Color
50, 62.880, 66.532

Protanomaly
50, 54.756, 83.719

Tritanomaly
50, 45.054, 46.995

Monochromacy



Original Color
50, 62.880, 66.532

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 24.819, 76.757

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 62.880, 66.532 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(176, 100, 1)` looks like.

```
.text, #text, p{  
    color:rgb(176, 100, 1)  
}
```

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(176, 100, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 100, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 62.880, 66.532 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(176, 100, 1) }
```

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

```
.border{ border-color:rgb(176, 100, 1) }
```

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

Here you see how a box with a 4 pixel rgb(176, 100, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 100, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 100, 1);  
box-shadow:4px 4px 4px 4px rgb(176, 100,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 62.880, 66.532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 100, 1) }
```

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

```
.background{ background-color: rgb(176,  
100, 1) }
```

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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