

Converting Colors

CIELCh(64, 72.194, 146.390)

Have a look what the booklet for
CIELCh(64, 72.194, 146.390)
contains.

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Color

CIELCh(64, 72.199, 146.392)

Conversions

Conversions Part 1

Format	Color
Hex	02B34F
RGB	2, 179, 79
RGB Percent	1%, 70%, 31%
CMY	0.9928, 0.2982, 0.6903
CMYK	0.99, 0.00, 0.56, 0.30
HSL	146°, 98%, 35%
HSV	146°, 99%, 70%
XYZ	17.5460, 32.8017, 12.7976
YIQ	114.6770, -73.3920, -68.6240

Conversions

Conversions Part 2

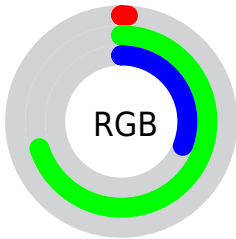
Format	Color
RYB	2, 125, 179
Decimal	176975
CIELab	64.00, -60.13, 39.96
CIELCh	64, 72.199, 146.392
Yxy	32.8017, 0.2779, 0.5195
Android (android.graphics.Color)	4278367055 (0xFF02B34F)
YUV	114.6770, -17.5888, -98.8177
Hunter-Lab	57.2727, -45.5424, 26.8426

Details

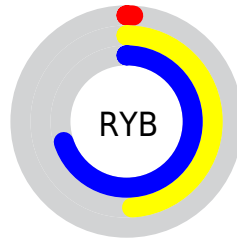
The CIELCh color **64, 72.199, 146.392** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **39, 65.981, 355.604**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **84, 72.028, 146.526**, and **45, 64.643, 139.721** is the 20% darker color. If you saturate the color by 10%, you get **64, 72.656, 146.184**, and if you desaturate by 10%, it is **64, 67.590, 148.528**.

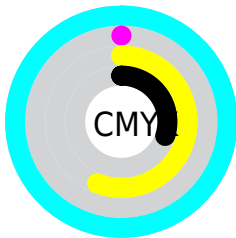
Distribution



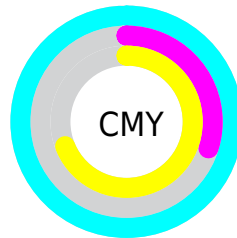
- Red (1%)
- Green (70%)
- Blue (31%)



- Red (1%)
- Yellow (49%)
- Blue (70%)



- Cyan (99%)
- Magenta (0%)
- Yellow (56%)
- Black (30%)




- Cyan (99%)
- Magenta (30%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 72.199, 146.392 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 64, 72.199, 146.392 by changing the saturation by 10% instead.

 64, 72.199,
146.392


 64, 72.199,
146.392


 100, 72.199,
146.392


 54, 72.199,
146.392


 84, 72.199,
146.392

 44, 72.199,
146.392

 94, 72.199,
146.392

 34, 72.199,
146.392

 24, 72.199,
146.392

 14, 72.199,
146.392

 4, 72.199, 146.392

 0, 72.199, 146.392

■ 64, 72.199,
146.392

■ 64, 72.199,
146.392

■ 64, 72.656,
146.184

■ 64, 67.590,
148.528

■ 65, 62.253,
150.554

■ 65, 56.108,
152.383

■ 66, 49.209,
154.008

■ 67, 41.661,
155.440

■ 68, 33.603,
156.697

■ 69, 25.183,
157.804

■ 70, 16.545,

158.786

■ 71, 7.816, 159.675

Harmonies

Complementary

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



64, 72.199, 146.392



39, 65.981, 355.604

Rectangle

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



64, 72.199, 146.392



64, 72.199, 196.392



64, 72.199, 326.392



64, 72.199, 16.392

Sweetspot

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



64, 72.199, 146.392



87, 32.179, 157.643



66, 81.468, 125.529



46, 22.063, 157.189



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



64, 72.199, 146.392



81, 89.029, 145.775



66, 40.620, 186.791



37, 4.924, 159.645



55, 64.307, 146.485



7, 12.800, 155.836

Inverse Universe

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



39, 65.981, 355.604



50, 80.061, 356.591



37, 76.834, 37.006



35, 4.971, 341.009



33, 58.982, 355.455



2, 11.033, 346.251

Previews

White Background



This preview shows how the CIELCh color 64, 72.199, 146.392 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 64, 72.199, 146.392 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 64, 72.199, 146.392

Background



This preview shows how black text looks on a background with the CIELCh color 64, 72.199, 146.392.



This preview shows how white text looks on a background with the CIELCh color 64, 72.199, 146.392.

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
64, 72.199, 146.392

Protanopia
64, 45.239, 95.465

Deuteranopia
64, 37.807, 77.385



Tritanopia
64, 28.859, 213.091

Trichromacy



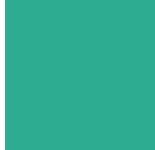
Original Color
64, 72.199, 146.392



Protanomaly
62, 52.603, 130.209



Deuteranomaly
61, 43.398, 127.894



Tritanomaly
63, 40.579, 174.140

Monochromacy



Original Color
64, 72.199, 146.392



Achromatopsia
48, 0.006, 296.813



Achromatomaly
53, 32.030, 156.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 72.199, 146.392 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(2, 179, 79)` looks like.

```
.text, #text, p{  
    color:rgb(2, 179, 79)  
}
```

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(2, 179, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 179, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 72.199, 146.392 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(2, 179, 79) }
```

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

```
.border{ border-color:rgb(2, 179, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 179, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 179, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 179, 79);  
box-shadow:4px 4px 4px 4px rgb(2, 179, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 64, 72.199, 146.392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 179, 79) }
```

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

```
.background{ background-color: rgb(2, 179,  
79) }
```

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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