

Converting Colors

CIELCh(64, 75.625, 144.286)

Have a look what the booklet for
CIELCh(64, 75.625, 144.286)
contains.

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Color

CIELCh(64, 75.524, 144.282)

Conversions

Conversions Part 1

Format	Color
Hex	04B346
RGB	4, 179, 70
RGB Percent	2%, 70%, 27%
CMY	0.9844, 0.2971, 0.7247
CMYK	0.98, 0.00, 0.61, 0.30
HSL	143°, 96%, 36%
HSV	143°, 98%, 70%
XYZ	17.3273, 32.8017, 11.2471
YIQ	114.2490, -69.3110, -70.9990

Conversions

Conversions Part 2

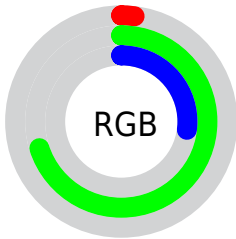
Format	Color
RYB	4, 131, 179
Decimal	308038
CIELab	64.00, -61.32, 44.09
CIELCh	64, 75.524, 144.282
Yxy	32.8017, 0.2823, 0.5344
Android (android.graphics.Color)	4278498118 (0xFF04B346)
YUV	114.2490, -21.8148, -96.6884
Hunter-Lab	57.2727, -46.2238, 28.4477

Details

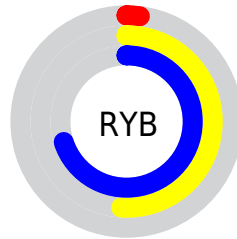
The CIELCh color **64, 75.524, 144.282** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **39, 67.622, 350.388**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **84, 75.374, 144.302**, and **45, 67.768, 137.730** is the 20% darker color. If you saturate the color by 10%, you get **64, 76.548, 143.851**, and if you desaturate by 10%, it is **64, 70.608, 146.351**.

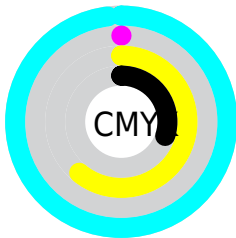
Distribution



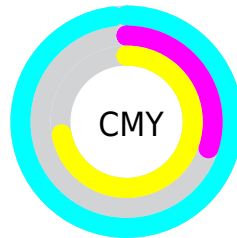
- Red (2%)
- Green (70%)
- Blue (27%)



- Red (2%)
- Yellow (51%)
- Blue (70%)



- Cyan (98%)
- Magenta (0%)
- Yellow (61%)
- Black (30%)



- Cyan (98%)
- Magenta (30%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 75.524, 144.282 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, 75.524, 144.282 by changing the saturation by 10% instead.

 64, 75.524,
144.282

 64, 75.524,
144.282

 100, 75.524,
144.282

 54, 75.524,
144.282


 84, 75.524,
144.282

 44, 75.524,
144.282

 94, 75.524,
144.282

 34, 75.524,
144.282

 24, 75.524,
144.282

 14, 75.524,
144.282

 4, 75.524, 144.282

 0, 75.524, 144.282

■ 64, 75.524,
144.282

■ 64, 75.524,
144.282

■ 64, 76.548,
143.851

■ 64, 70.608,
146.351

■ 65, 64.847,
148.307

■ 65, 58.223,
150.080

■ 66, 50.817,
151.655

■ 67, 42.758,
153.040

■ 68, 34.200,
154.252

■ 69, 25.305,
155.313

■ 70, 16.222,

156.249

■ 72, 7.082, 157.094

Harmonies

Complementary

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



64, 75.524, 144.282



39, 67.622, 350.388

Rectangle

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



64, 75.524, 144.282



64, 75.524, 194.282



64, 75.524, 324.282



64, 75.524, 14.282

Sweetspot

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



64, 75.524, 144.282



87, 32.558, 155.142



67, 79.445, 122.697



46, 22.468, 154.702



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, 75.524, 144.282



81, 93.682, 143.462



66, 43.606, 178.504



37, 5.138, 156.967



55, 67.677, 144.143



7, 13.230, 153.965

Inverse Universe

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



39, 67.622, 350.388



51, 81.998, 351.489



37, 73.208, 32.951



35, 5.175, 338.261



33, 60.468, 350.571



2, 11.483, 343.045

Previews

White Background



This preview shows how the CIELCh color 64, 75.524, 144.282 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, 75.524, 144.282 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, 75.524, 144.282

Background



This preview shows how black text looks on a background with the CIELCh color 64, 75.524, 144.282.



This preview shows how white text looks on a background with the CIELCh color 64, 75.524, 144.282.

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, 75.492, 144.257

Protanopia
63, 48.950, 95.732

Deuteranopia
64, 41.835, 78.956



Tritanopia
64, 28.682, 213.204

Trichromacy



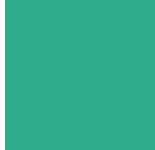
Original Color
64, 75.492, 144.257



Protanomaly
62, 55.861, 128.073



Deuteranomaly
61, 47.299, 124.737



Tritanomaly
63, 41.606, 171.311

Monochromacy



Original Color
64, 75.492, 144.257



Achromatopsia
48, 0.006, 296.813



Achromatomaly
52, 33.712, 153.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 75.524, 144.282 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(4, 179, 70)` looks like.

```
.text, #text, p{  
    color:rgb(4, 179, 70)  
}
```

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(4, 179, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 179, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 75.524, 144.282 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(4, 179, 70) }
```

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

```
.border{ border-color:rgb(4, 179, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 179, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 179, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 179, 70);  
box-shadow:4px 4px 4px 4px rgb(4, 179, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 64, 75.524, 144.282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 179, 70) }
```

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

```
.background{ background-color: rgb(4, 179,  
70) }
```

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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