

Converting Colors

CIELCh(64, 74.269, 136.083)

Have a look what the booklet for
CIELCh(64, 74.269, 136.083)
contains.

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Color

CIELCh(64, 73.905, 136.144)

Conversions

Conversions Part 1

Format	Color
Hex	46B036
RGB	70, 176, 54
RGB Percent	27%, 69%, 21%
CMY	0.7237, 0.3082, 0.7866
CMYK	0.60, 0.00, 0.69, 0.31
HSL	112°, 53%, 45%
HSV	112°, 69%, 69%
XYZ	18.8410, 32.8017, 8.8781
YIQ	130.3980, -24.0140, -60.4140

Conversions

Conversions Part 2

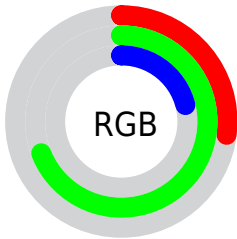
Format	Color
RYB	54, 176, 160
Decimal	4632630
CIELab	64.00, -53.29, 51.20
CIELCh	64, 73.905, 136.144
Yxy	32.8017, 0.3113, 0.5420
Android (android.graphics.Color)	4282822710 (0xFF46B036)
YUV	130.3980, -37.6642, -52.9690
Hunter-Lab	57.2727, -41.5061, 30.9001

Details

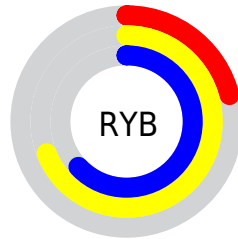
The CIELCh color **64, 73.905, 136.144** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **43, 74.156, 323.504**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 74.224, 136.214**, and **44, 69.413, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **63, 81.222, 135.579**, and if you desaturate by 10%, it is **65, 65.013, 136.880**.

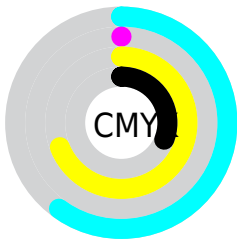
Distribution



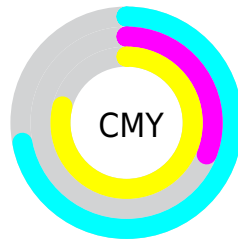
- Red (27%)
- Green (69%)
- Blue (21%)



- Red (21%)
- Yellow (69%)
- Blue (63%)



- Cyan (60%)
- Magenta (0%)
- Yellow (69%)
- Black (31%)



- Cyan (72%)
- Magenta (31%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 73.905, 136.144 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, 73.905, 136.144 by changing the saturation by 10% instead.

 64, 73.905,
136.144

 64, 73.905,
136.144

 100, 73.905,
136.144


 54, 73.905,
136.144


 84, 73.905,
136.144

 44, 73.905,
136.144

 94, 73.905,
136.144

 34, 73.905,
136.144

 24, 73.905,
136.144

 14, 73.905,
136.144

 4, 73.905, 136.144

 0, 73.905, 136.144

■ 64, 73.905,
136.144

■ 64, 73.905,
136.144

■ 63, 81.222,
135.579

■ 65, 65.013,
136.880

■ 63, 86.510,
135.311

■ 66, 55.007,
137.673

■ 63, 89.743,
135.316

■ 67, 44.271,
138.449

■ 63, 89.977,
135.305

■ 68, 33.107,
139.169

■ 69, 21.743,
139.814

■ 71, 10.348,
140.386

■ 72, 0.951, 320.636

■ 74, 12.068,
321.252

■ 76, 22.944,
321.616

Harmonies

Complementary

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



64, 73.905, 136.144



43, 74.156, 323.504

Rectangle

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



64, 73.905, 136.144



64, 73.905, 186.144



64, 73.905, 316.144



64, 73.905, 6.144

Sweetspot

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



64, 73.905, 136.145



87, 29.528, 139.678



66, 55.157, 96.584



46, 19.971, 139.508



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 73.905, 136.145



80, 102.614, 135.394



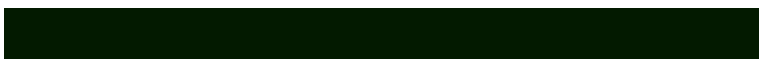
64, 58.997, 149.397



37, 6.460, 140.377



55, 80.925, 135.224



7, 15.744, 141.668

Inverse Universe

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



43, 74.156, 323.504



52, 101.944, 323.539



44, 58.858, 343.811



35, 6.486, 321.227



32, 79.704, 323.242



2, 15.321, 319.052

Previews

White Background



This preview shows how the CIE LCh color 64, 73.905, 136.144 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, 73.905, 136.144 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, 73.905, 136.144

Background



This preview shows how black text looks on a background with the CIELCh color 64, 73.905, 136.144.



This preview shows how white text looks on a background with the CIELCh color 64, 73.905, 136.144.

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, 73.905, 136.144

Protanopia
63, 54.971, 95.513

Deuteranopia
63, 48.972, 80.160



Tritanopia
64, 22.254, 216.933

Trichromacy



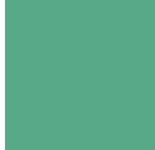
Original Color
64, 73.905, 136.144



Protanomaly
63, 58.041, 115.919



Deuteranomaly
62, 50.636, 109.693



Tritanomaly
63, 35.221, 161.759

Monochromacy



Original Color
64, 73.905, 136.144



Achromatopsia
55, 0.007, 296.813



Achromatomaly
57, 29.892, 139.068

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 73.905, 136.144 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(70, 176, 54)` looks like.

```
.text, #text, p{  
    color:rgb(70, 176, 54)  
}
```

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(70, 176, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 176, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 73.905, 136.144 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(70, 176, 54) }
```

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

```
.border{ border-color:rgb(70, 176, 54) }
```

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

Here you see how a box with a 4 pixel rgb(70, 176, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 176, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 176, 54);  
box-shadow:4px 4px 4px 4px rgb(70, 176,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 73.905, 136.144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 176, 54) }
```

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

```
.background{ background-color: rgb(70, 176,  
54) }
```

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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