

Converting Colors

CIELCh(72, 91.595, 137.208)

Have a look what the booklet for
CIELCh(72, 91.595, 137.208)
contains.

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Color

CIELCh(72, 91.365, 137.234)

Conversions

Conversions Part 1

Format	Color
Hex	30CB2E
RGB	48, 203, 46
RGB Percent	19%, 80%, 18%
CMY	0.8103, 0.2030, 0.8186
CMYK	0.76, 0.00, 0.77, 0.20
HSL	119°, 63%, 49%
HSV	119°, 77%, 80%
XYZ	23.1461, 43.6590, 9.8187
YIQ	138.7570, -41.9830, -81.6870

Conversions

Conversions Part 2

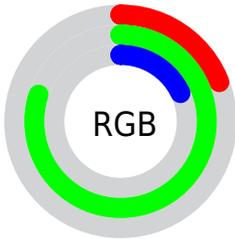
Format	Color
RYB	46, 203, 201
Decimal	3197742
CIELab	72.00, -67.07, 62.04
CIELCh	72, 91.365, 137.234
Yxy	43.6590, 0.3021, 0.5698
Android (android.graphics.Color)	4281387822 (0xFF30CB2E)
YUV	138.7570, -45.7292, -79.5939
Hunter-Lab	66.0750, -53.1025, 37.4420

Details

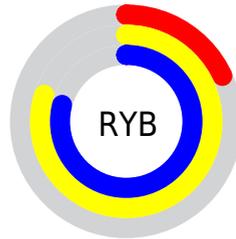
The CIELCh color **72, 91.365, 137.234** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **50, 89.394, 327.497**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 88.449, 137.146**, and **53, 79.444, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **72, 97.133, 136.482**, and if you desaturate by 10%, it is **73, 83.163, 138.229**.

Distribution



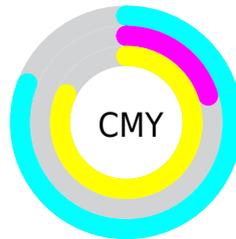
- Red (19%)
- Green (80%)
- Blue (18%)



- Red (18%)
- Yellow (80%)
- Blue (79%)



- Cyan (76%)
- Magenta (0%)
- Yellow (77%)
- Black (20%)



- Cyan (81%)
- Magenta (20%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 91.365, 137.234 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 72, 91.365, 137.234 by changing the saturation by 10% instead.

 72, 91.365,
137.234

 72, 91.365,
137.234

 100, 91.365,
137.234

 62, 91.365,
137.234

 92, 91.365,
137.234

 52, 91.365,
137.234

 42, 91.365,
137.234

 32, 91.365,
137.234

 22, 91.365,
137.234

 12, 91.365,
137.234

 2, 91.365, 137.234

■ 0, 91.365, 137.234

■ 72, 91.365,
137.234

■ 72, 91.365,
137.234

■ 72, 97.133,
136.482

■ 73, 83.163,
138.229

■ 71, 100.258,
136.065

■ 73, 73.035,
139.320

■ 71, 100.887,
135.966

■ 74, 61.511,
140.395

■ 75, 49.056,
141.388

■ 77, 36.049,
142.269

■ 78, 22.792,
143.036

■ 80, 9.514, 143.703

■ 82, 3.616, 324.157

■ 85, 16.483,
324.680

Harmonies

Complementary

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



72, 91.365, 137.234



50, 89.394, 327.497

Rectangle

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



72, 91.365, 137.234



72, 91.365, 187.234



72, 91.365, 317.234



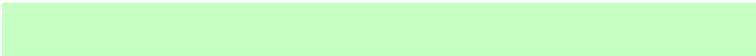
72, 91.365, 7.234

Sweetspot

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



72, 91.365, 137.235



95, 36.607, 142.584



79, 72.828, 102.647



50, 25.332, 142.292



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 91.365, 137.235



88, 118.126, 136.163



73, 64.820, 153.025



42, 7.494, 143.564



59, 86.685, 135.952



12, 28.574, 142.655

Inverse Universe

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



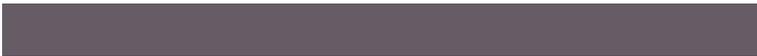
50, 89.394, 327.497



60, 114.333, 327.684



47, 66.302, 353.207



40, 7.507, 324.568



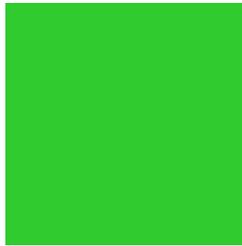
39, 83.758, 327.705



5, 28.911, 326.990

Previews

White Background



This preview shows how the CIE LCh color 72, 91.365, 137.234 looks on a white background.

Color Contrast Check

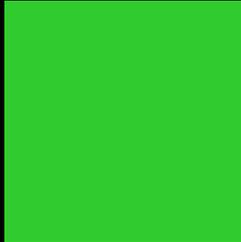
Large Text (above 18pt) WCAG AA × Fail

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 72, 91.365, 137.234 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

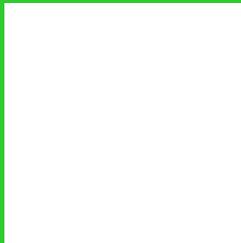
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 91.365, 137.234

Background



This preview shows how black text looks on a background with the CIELCh color 72, 91.365, 137.234.



This preview shows how white text looks on a background with the CIELCh color 72, 91.365, 137.234.

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

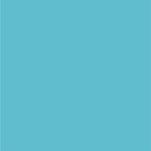
72, 91.365, 137.234

Protanopia

71, 66.659, 94.977

Deuteranopia

71, 59.449, 81.214



Tritanopia
72, 28.649, 215.351

Trichromacy



Original Color
72, 91.365, 137.234



Protanomaly
70, 71.125, 118.174



Deuteranomaly
69, 62.858, 113.597



Tritanomaly
71, 46.056, 162.242

Monochromacy



Original Color
72, 91.365, 137.234



Achromatopsia
58, 0.007, 296.813



Achromatomaly
62, 38.559, 141.536

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 91.365, 137.234 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(48, 203, 46)` looks like.

```
.text, #text, p{  
    color:rgb(48, 203, 46)  
}
```

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(48, 203, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 203, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 91.365, 137.234 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(48, 203, 46) }
```

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

```
.border{ border-color:rgb(48, 203, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 203, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 203, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 203, 46);  
box-shadow:4px 4px 4px 4px rgb(48, 203,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 91.365, 137.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 203, 46) }
```

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

```
.background{ background-color: rgb(48, 203,  
46) }
```

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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