

Converting Colors

CIELCh(73, 93.264, 136.115)

Have a look what the booklet for
CIELCh(73, 93.264, 136.115)
contains.

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Color

CIELCh(73, 93.224, 136.164)

Conversions

Conversions Part 1

Format	Color
Hex	37CE29
RGB	55, 206, 41
RGB Percent	22%, 81%, 16%
CMY	0.7838, 0.1918, 0.8387
CMYK	0.73, 0.00, 0.80, 0.19
HSL	115°, 67%, 48%
HSV	115°, 80%, 81%
XYZ	24.0790, 45.1644, 9.5567
YIQ	142.0410, -37.0310, -83.3270

Conversions

Conversions Part 2

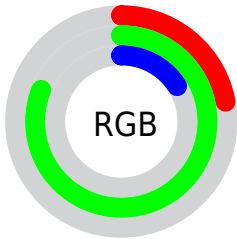
Format	Color
RYB	41, 206, 192
Decimal	3657257
CIELab	73.00, -67.24, 64.57
CIELCh	73, 93.224, 136.164
Yxy	45.1644, 0.3056, 0.5732
Android (android.graphics.Color)	4281847337 (0xFF37CE29)
YUV	142.0410, -49.8132, -76.3350
Hunter-Lab	67.2044, -53.6522, 38.6119

Details

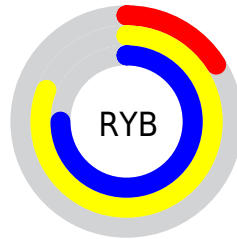
The CIELCh color **73, 93.224, 136.164** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **49, 91.986, 325.124**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 88.743, 136.018**, and **54, 80.626, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **73, 98.597, 135.786**, and if you desaturate by 10%, it is **74, 85.374, 136.849**.

Distribution



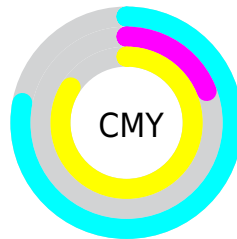
- Red (22%)
- Green (81%)
- Blue (16%)



- Red (16%)
- Yellow (81%)
- Blue (75%)



- Cyan (73%)
- Magenta (0%)
- Yellow (80%)
- Black (19%)





- Cyan (78%)
- Magenta (19%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 93.224, 136.164 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 73, 93.224, 136.164 by changing the saturation by 10% instead.


 73, 93.224,
136.164


 73, 93.224,
136.164


 100, 93.224,
136.164


 63, 93.224,
136.164


 93, 93.224,
136.164

 53, 93.224,
136.164

 43, 93.224,
136.164

 33, 93.224,
136.164

 23, 93.224,
136.164

 13, 93.224,
136.164

 3, 93.224, 136.164

■ 0, 93.224, 136.164

■ 73, 93.224,
136.164

■ 73, 93.224,
136.164

■ 73, 98.597,
135.786

■ 74, 85.374,
136.849

■ 72, 101.546,
135.679

■ 74, 75.548,
137.704

■ 75, 64.290,
138.611

■ 76, 52.077,
139.486

■ 78, 39.288,
140.288

■ 79, 26.216,
141.000

■ 81, 13.084,
141.624

■ 83, 0.053, 146.712

■ 85, 12.761,
322.563

Harmonies

Complementary

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



73, 93.224, 136.164



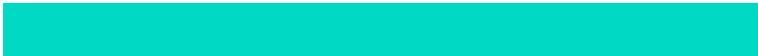
49, 91.986, 325.124

Rectangle

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



73, 93.224, 136.164



73, 93.224, 186.164



73, 93.224, 316.164



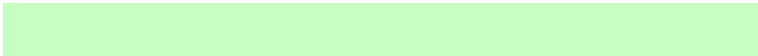
73, 93.224, 6.164

Sweetspot

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



73, 93.224, 136.165



95, 37.324, 140.709



76, 70.846, 97.556



50, 25.635, 140.448



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 93.224, 136.165



88, 118.346, 135.742



73, 72.598, 148.645



42, 7.322, 141.663



59, 86.268, 135.600



12, 27.976, 141.247

Inverse Universe

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



49, 91.986, 325.124



57, 115.440, 324.953



48, 70.863, 347.962



40, 7.344, 322.578



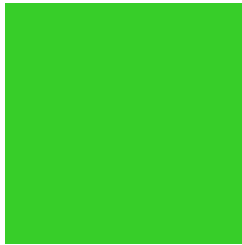
37, 84.154, 324.952



5, 28.186, 324.210

Previews

White Background



This preview shows how the CIELCh color 73, 93.224, 136.164 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 73, 93.224, 136.164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

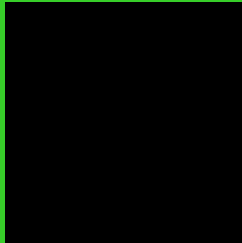
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

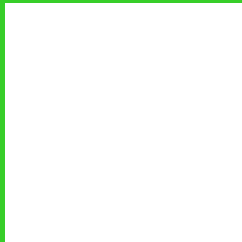
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 93.224, 136.164

Background



This preview shows how black text looks on a background with the CIELCh color 73, 93.224, 136.164.



This preview shows how white text looks on a background with the CIELCh color 73, 93.224, 136.164.

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

73, 93.224, 136.164

Protanopia

72, 69.103, 95.139

Deuteranopia

72, 61.922, 81.587



Tritanopia
73, 28.430, 214.292

Trichromacy



Original Color
73, 93.224, 136.164



Protanomaly
71, 73.417, 117.229



Deuteranomaly
70, 64.848, 112.001



Tritanomaly
72, 46.775, 160.574

Monochromacy



Original Color
73, 93.224, 136.164



Achromatopsia
59, 0.008, 296.813



Achromatomaly
63, 39.596, 139.878

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 93.224, 136.164 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(55, 206, 41)` looks like.

```
.text, #text, p{  
    color:rgb(55, 206, 41)  
}
```

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(55, 206, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 206, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 93.224, 136.164 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(55, 206, 41) }
```

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

```
.border{ border-color:rgb(55, 206, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 206, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 206, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 206, 41);  
box-shadow:4px 4px 4px 4px rgb(55, 206,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 93.224, 136.164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 206, 41) }
```

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

```
.background{ background-color: rgb(55, 206,  
41) }
```

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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