

Converting Colors

CIELCh(73, 77.462, 141.361)

Have a look what the booklet for
CIELCh(73, 77.462, 141.361)
contains.

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Color

CIELCh(73, 77.462, 141.361)

Conversions

Conversions Part 1

Format	Color
Hex	44CC54
RGB	68, 204, 84
RGB Percent	27%, 80%, 33%
CMY	0.7323, 0.1992, 0.6698
CMYK	0.67, 0.00, 0.59, 0.20
HSL	127°, 57%, 53%
HSV	127°, 67%, 80%
XYZ	25.6508, 45.1644, 15.7918
YIQ	149.6560, -42.5360, -66.1520

Conversions

Conversions Part 2

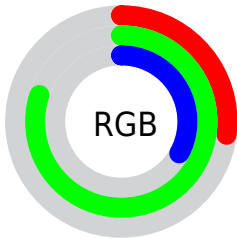
Format	Color
RYB	68, 190, 204
Decimal	4508756
CIELab	73.00, -60.51, 48.37
CIELCh	73, 77.462, 141.361
Yxy	45.1644, 0.2962, 0.5215
Android (android.graphics.Color)	4282698836 (0xFF44CC54)
YUV	149.6560, -32.3684, -71.6123
Hunter-Lab	67.2044, -49.4772, 33.1111

Details

The CIELCh color **73, 77.462, 141.361** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **53, 75.641, 331.709**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 73.632, 141.530**, and **53, 74.450, 138.924** is the 20% darker color. If you saturate the color by 10%, you get **72, 86.000, 139.956**, and if you desaturate by 10%, it is **74, 67.531, 142.700**.

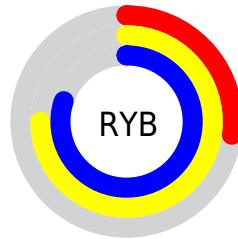
Distribution



Red (27%)

Green (80%)

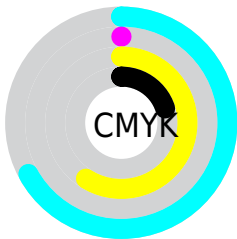
Blue (33%)



Red (27%)

Yellow (75%)

Blue (80%)

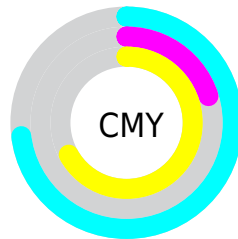


Cyan (67%)

Magenta (0%)

Yellow (59%)

Black (20%)



Cyan (73%)


Magenta (20%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 77.462, 141.361 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, 77.462, 141.361 by changing the saturation by 10% instead.


 73, 77.462,
141.361


 73, 77.462,
141.361


 100, 77.462,
141.361


 63, 77.462,
141.361


 93, 77.462,
141.361

 53, 77.462,
141.361

 43, 77.462,
141.361

 33, 77.462,
141.361

 23, 77.462,
141.361

 13, 77.462,
141.361

 3, 77.462, 141.361

0, 77.462, 141.361

73, 77.462,
141.361

73, 77.462,
141.361

72, 86.000,
139.956

74, 67.531,
142.700

72, 92.803,
138.577

75, 56.552,
143.917

72, 97.596,
137.360

76, 44.849,
144.993

72, 98.808,
137.050

77, 32.708,
145.927

79, 20.373,
146.734

81, 8.035, 147.441

■ 83, 4.161, 327.921

■ 85, 16.111,
328.476

■ 87, 27.747,
328.916

Harmonies

Complementary

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



73, 77.462, 141.361



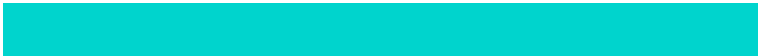
53, 75.641, 331.709

Rectangle

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



73, 77.462, 141.361



73, 77.462, 191.361



73, 77.462, 321.361



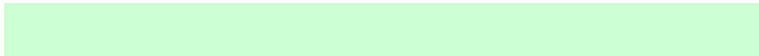
73, 77.462, 11.361

Sweetspot

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



73, 77.462, 141.361



96, 29.467, 146.450



79, 67.059, 109.963



50, 20.112, 146.221



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, 77.462, 141.361



88, 105.535, 139.330



74, 51.195, 162.446



42, 6.940, 147.248



59, 84.252, 137.227



12, 27.078, 144.922

Inverse Universe

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



53, 75.641, 331.709



61, 100.132, 332.507



50, 57.772, 0.373



40, 6.955, 328.322



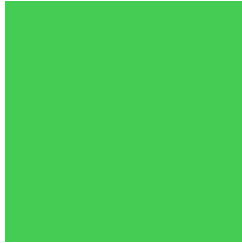
38, 76.418, 333.478



5, 26.406, 331.703

Previews

White Background



This preview shows how the CIELCh color 73, 77.462, 141.361 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, 77.462, 141.361 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, 77.462, 141.361

Background



This preview shows how black text looks on a background with the CIELCh color 73, 77.462, 141.361.

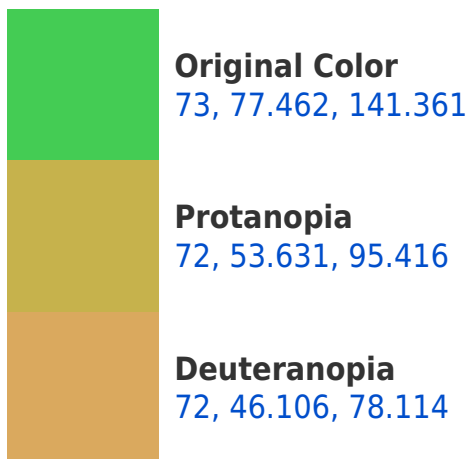


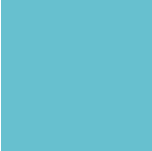
This preview shows how white text looks on a background with the CIELCh color 73, 77.462, 141.361.

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





Tritanopia
73, 27.584, 214.878

Trichromacy



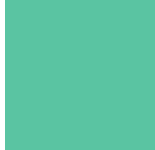
Original Color
73, 77.462, 141.361



Protanomaly
72, 58.031, 120.338



Deuteranomaly
71, 48.692, 114.473



Tritanomaly
72, 39.605, 168.559

Monochromacy



Original Color
73, 77.462, 141.361



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 31.105, 145.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 77.462, 141.361 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(68, 204, 84)` looks like.

```
.text, #text, p{  
    color:rgb(68, 204, 84)  
}
```

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(68, 204, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 204, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 77.462, 141.361 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(68, 204, 84) }
```

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

```
.border{ border-color:rgb(68, 204, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 204, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 204, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 204, 84);  
box-shadow:4px 4px 4px 4px rgb(68, 204,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 77.462, 141.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 204, 84) }
```

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

```
.background{ background-color: rgb(68, 204,  
84) }
```

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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