

Converting Colors

CIELCh(77, 75.638, 146.709)

Have a look what the booklet for
CIELCh(77, 75.638, 146.709)
contains.

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Color

CIELCh(77, 75.691, 146.725)

Conversions

Conversions Part 1

Format	Color
Hex	3AD96D
RGB	58, 217, 109
RGB Percent	23%, 85%, 43%
CMY	0.7735, 0.1497, 0.5731
CMYK	0.73, 0.00, 0.50, 0.15
HSL	139°, 68%, 54%
HSV	139°, 73%, 85%
XYZ	29.2524, 51.5317, 22.8296
YIQ	157.1470, -60.0960, -67.2960

Conversions

Conversions Part 2

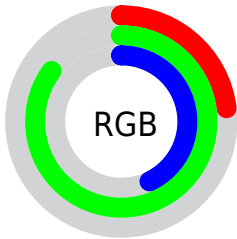
Format	Color
RYB	58, 178, 217
Decimal	3856749
CIELab	77.00, -63.28, 41.53
CIELCh	77, 75.691, 146.725
Yxy	51.5317, 0.2823, 0.4973
Android (android.graphics.Color)	4282046829 (0xFF3AD96D)
YUV	157.1470, -23.7365, -86.9519
Hunter-Lab	71.7856, -52.8866, 31.3942

Details

The CIELCh color **77, 75.691, 146.725** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **52, 73.795, 341.931**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 64.666, 148.479**, and **58, 71.452, 143.387** is the 20% darker color. If you saturate the color by 10%, you get **77, 83.097, 144.866**, and if you desaturate by 10%, it is **78, 67.206, 148.407**.

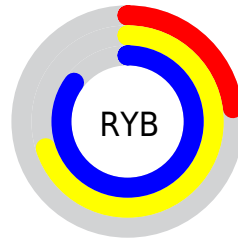
Distribution



Red (23%)

Green (85%)

Blue (43%)



Red (23%)

Yellow (70%)

Blue (85%)

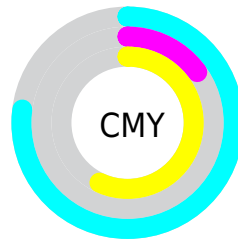


Cyan (73%)

Magenta (0%)

Yellow (50%)

Black (15%)



Cyan (77%)


Magenta (15%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 75.691, 146.725 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 77, 75.691, 146.725 by changing the saturation by 10% instead.


 77, 75.691,
146.725


 77, 75.691,
146.725


 100, 75.691,
146.725


 67, 75.691,
146.725


 97, 75.691,
146.725

 57, 75.691,
146.725

 47, 75.691,
146.725

 37, 75.691,
146.725

 27, 75.691,
146.725

 17, 75.691,
146.725

 7, 75.691, 146.725

■ 0, 75.691, 146.725

■ 77, 75.691,
146.725

■ 77, 75.691,
146.725

■ 77, 83.097,
144.866

■ 78, 67.206,
148.407

■ 76, 89.337,
142.879

■ 79, 57.792,
149.898

■ 76, 92.898,
141.580

■ 80, 47.643,
151.202

■ 81, 36.968,
152.338

■ 82, 25.972,
153.327

■ 84, 14.836,
154.195

■ 86, 3.708, 155.021

■ 88, 7.294, 335.533

■ 90, 18.086,
336.150

Harmonies

Complementary

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



77, 75.691, 146.725



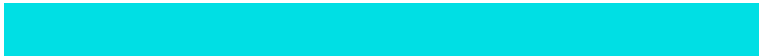
52, 73.795, 341.931

Rectangle

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



77, 75.691, 146.725



77, 75.691, 196.725



77, 75.691, 326.725



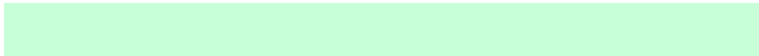
77, 75.691, 16.725

Sweetspot

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



77, 75.692, 146.725



95, 27.900, 153.433



81, 78.250, 119.148



50, 18.741, 153.180



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 75.692, 146.725



88, 97.924, 143.795



78, 47.139, 176.691



45, 6.351, 154.512



62, 78.036, 141.911



15, 28.285, 146.712

Inverse Universe

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



52, 73.795, 341.931



58, 90.005, 344.424



50, 66.008, 18.530



43, 6.387, 335.777



38, 68.291, 346.361



6, 27.640, 342.477

Previews

White Background



This preview shows how the CIE LCh color 77, 75.691, 146.725 looks on a white background.

Color Contrast Check

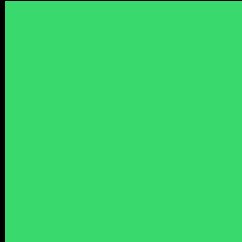
Large Text (above 18pt) WCAG AA × Fail

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 77, 75.691, 146.725 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 77, 75.691, 146.725

Background



This preview shows how black text looks on a background with the CIELCh color 77, 75.691, 146.725.

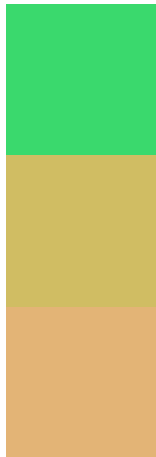


This preview shows how white text looks on a background with the CIELCh color 77, 75.691, 146.725.

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

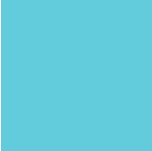
77, 75.691, 146.725

Protanopia

77, 47.688, 95.820

Deuteranopia

76, 39.137, 76.069



Tritanopia
77, 31.303, 214.524

Trichromacy



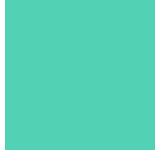
Original Color
77, 75.691, 146.725



Protanomaly
75, 53.162, 126.089



Deuteranomaly
74, 42.570, 121.868



Tritanomaly
77, 41.949, 174.472

Monochromacy



Original Color
77, 75.691, 146.725



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 31.002, 152.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 75.691, 146.725 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(58, 217, 109)` looks like.

```
.text, #text, p{  
    color:rgb(58, 217, 109)  
}
```

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(58, 217, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 217, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 75.691, 146.725 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(58, 217, 109) }
```

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

```
.border{ border-color:rgb(58, 217, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 217, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 217, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 217, 109);  
box-shadow:4px 4px 4px 4px rgb(58, 217,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 75.691, 146.725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 217, 109) }
```

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

```
.background{ background-color: rgb(58, 217,  
109) }
```

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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