

Converting Colors

CIELCh(78, 70.987, 145.513)

Have a look what the booklet for
CIELCh(78, 70.987, 145.513)
contains.

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Color

CIELCh(78, 71.062, 145.375)

Conversions

Conversions Part 1

Format	Color
Hex	53DA72
RGB	83, 218, 114
RGB Percent	33%, 85%, 45%
CMY	0.6744, 0.1450, 0.5528
CMYK	0.62, 0.00, 0.48, 0.14
HSL	134°, 65%, 59%
HSV	134°, 62%, 86%
XYZ	31.6866, 53.2120, 24.5273
YIQ	165.7790, -47.0760, -60.9640

Conversions

Conversions Part 2

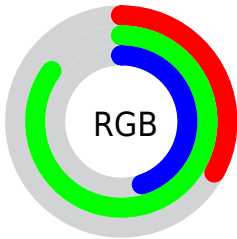
Format	Color
RYB	83, 193, 218
Decimal	5495410
CIELab	78.00, -58.48, 40.38
CIElCh	78, 71.062, 145.375
Yxy	53.2120, 0.2896, 0.4863
Android (android.graphics.Color)	4283685490 (0xFF53DA72)
YUV	165.7790, -25.5270, -72.5972
Hunter-Lab	72.9466, -50.1194, 31.1272

Details

The CIELCh color **78, 71.062, 145.375** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **57, 70.123, 336.057**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 59.296, 146.822**, and **58, 70.097, 144.452** is the 20% darker color. If you saturate the color by 10%, you get **77, 80.304, 143.812**, and if you desaturate by 10%, it is **79, 60.783, 146.775**.

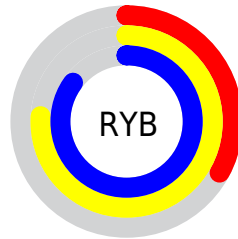
Distribution



Red (33%)

Green (85%)

Blue (45%)



Red (33%)

Yellow (76%)

Blue (85%)

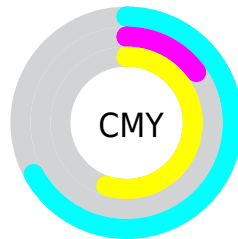


Cyan (62%)

Magenta (0%)

Yellow (48%)

Black (14%)



Cyan (67%)


Magenta (15%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 71.062, 145.375 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 78, 71.062, 145.375 by changing the saturation by 10% instead.


 78, 71.062,
145.375


 78, 71.062,
145.375


 100, 71.062,
145.375


 68, 71.062,
145.375


 98, 71.062,
145.375

 58, 71.062,
145.375

 48, 71.062,
145.375

 38, 71.062,
145.375

 28, 71.062,
145.375

 18, 71.062,
145.375

 8, 71.062, 145.375

0, 71.062, 145.375

78, 71.062,
145.375

78, 71.062,
145.375

77, 80.304,
143.812

79, 60.783,
146.775

77, 88.276,
142.118

80, 49.718,
148.004

76, 94.793,
140.367

81, 38.119,
149.071

76, 98.980,
139.034

83, 26.219,
149.995

85, 14.215,
150.800

87, 2.265, 151.612

■ 89, 9.510, 332.024

■ 91, 20.470,
330.669

■ 91, 23.151,
325.230

Harmonies

Complementary

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



78, 71.062, 145.375



57, 70.123, 336.057

Rectangle

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



78, 71.062, 145.375



78, 71.062, 195.375



78, 71.062, 325.375



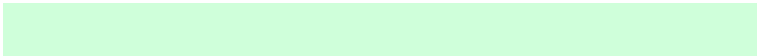
78, 71.062, 15.375

Sweetspot

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



78, 71.063, 145.375



96, 25.799, 150.227



83, 67.524, 114.856



51, 17.763, 149.984



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 71.063, 145.375



89, 92.993, 143.359



79, 46.428, 170.045



45, 6.794, 150.986



62, 82.878, 139.316



15, 29.944, 144.396

Inverse Universe

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



57, 70.123, 336.057



62, 89.295, 337.217



55, 56.377, 6.841



43, 6.819, 332.157



39, 72.582, 339.945



6, 29.403, 337.492

Previews

White Background



This preview shows how the CIELCh color 78, 71.062, 145.375 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 78, 71.062, 145.375 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 78, 71.062, 145.375

Background



This preview shows how black text looks on a background with the CIELCh color 78, 71.062, 145.375.

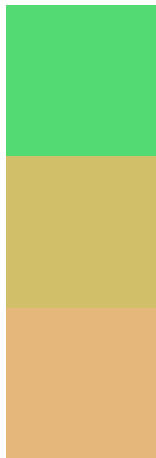


This preview shows how white text looks on a background with the CIELCh color 78, 71.062, 145.375.

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
78, 71.062, 145.375

Protanopia
77, 45.701, 95.682

Deuteranopia
77, 38.087, 75.512



Tritanopia
78, 28.487, 216.424

Trichromacy



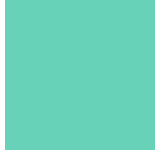
Original Color
78, 71.062, 145.375



Protanomaly
77, 50.490, 123.114



Deuteranomaly
76, 40.594, 117.495



Tritanomaly
78, 37.601, 173.961

Monochromacy



Original Color
78, 71.062, 145.375



Achromatopsia
68, 0.008, 296.813



Achromatomaly
71, 27.826, 149.437

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 71.062, 145.375 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(83, 218, 114)` looks like.

```
.text, #text, p{  
    color:rgb(83, 218, 114)  
}
```

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(83, 218, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 218, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 71.062, 145.375 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(83, 218, 114) }
```

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

```
.border{ border-color:rgb(83, 218, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 218, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 218, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 218, 114);  
box-shadow:4px 4px 4px 4px rgb(83, 218,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 71.062, 145.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 218, 114) }
```

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

```
.background{ background-color: rgb(83, 218,  
114) }
```

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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