

Converting Colors

CIELCh(71, 75.799, 145.421)

Have a look what the booklet for
CIELCh(71, 75.799, 145.421)
contains.

CIELCh(71, 75.746, 145.366)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(71, 75.746, 145.366)

Conversions

Conversions Part 1

Format	Color
Hex	29C75A
RGB	41, 199, 90
RGB Percent	16%, 78%, 35%
CMY	0.8411, 0.2184, 0.6460
CMYK	0.80, 0.00, 0.55, 0.22
HSL	139°, 66%, 47%
HSV	139°, 80%, 78%
XYZ	23.2441, 42.1875, 16.6505
YIQ	139.3320, -59.1790, -67.3950

Conversions

Conversions Part 2

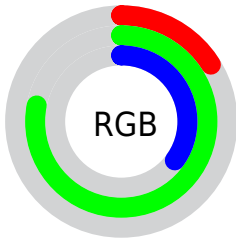
Format	Color
RYB	41, 162, 199
Decimal	2738010
CIELab	71.00, -62.32, 43.05
CIELCh	71, 75.746, 145.366
Yxy	42.1875, 0.2832, 0.5140
Android (android.graphics.Color)	4280928090 (0xFF29C75A)
YUV	139.3320, -24.3207, -86.2372
Hunter-Lab	64.9519, -49.7866, 30.2673

Details

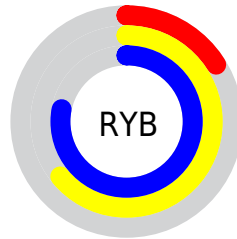
The CIELCh color **71, 75.746, 145.366** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **47, 72.378, 342.322**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 74.478, 145.593**, and **52, 70.000, 140.702** is the 20% darker color. If you saturate the color by 10%, you get **71, 82.055, 143.447**, and if you desaturate by 10%, it is **72, 68.362, 147.138**.

Distribution



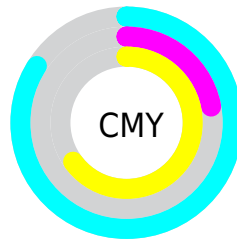
- Red (16%)
- Green (78%)
- Blue (35%)



- Red (16%)
- Yellow (64%)
- Blue (78%)



- Cyan (80%)
- Magenta (0%)
- Yellow (55%)
- Black (22%)





- Cyan (84%)
- Magenta (22%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 75.746, 145.366 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 71, 75.746, 145.366 by changing the saturation by 10% instead.


 71, 75.746,
145.366

 71, 75.746,
145.366


 100, 75.746,
145.366


 61, 75.746,
145.366


 91, 75.746,
145.366

 51, 75.746,
145.366

 41, 75.746,
145.366

 31, 75.746,
145.366

 21, 75.746,
145.366

 11, 75.746,
145.366

 1, 75.746, 145.366

0, 75.746, 145.366

71, 75.746,
145.366

71, 75.746,
145.366

71, 82.055,
143.447

72, 68.362,
147.138

70, 87.313,
141.506

72, 60.015,
148.729

70, 87.478,
141.446

73, 50.867,
150.131

74, 41.109,
151.356

75, 30.937,
152.423

77, 20.536,
153.353

■ 79, 10.062,
154.176

■ 80, 0.357, 333.892

■ 82, 10.623,
335.442

Harmonies

Complementary

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



71, 75.746, 145.366



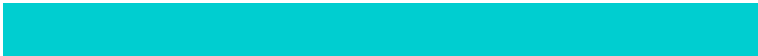
47, 72.378, 342.322

Rectangle

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



71, 75.746, 145.366



71, 75.746, 195.366



71, 75.746, 325.366



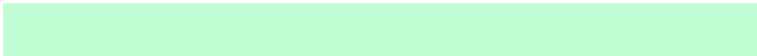
71, 75.746, 15.366

Sweetspot

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



71, 75.746, 145.366



95, 30.614, 152.932



75, 77.001, 118.517



50, 21.016, 152.589



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 75.746, 145.366



88, 103.741, 141.909



72, 46.945, 174.258



41, 5.894, 154.199



59, 74.878, 141.760



11, 22.743, 149.745

Inverse Universe

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



47, 72.378, 342.322



57, 91.216, 345.484



45, 65.775, 19.643



39, 5.926, 335.439



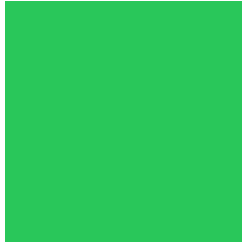
36, 65.674, 345.658



4, 20.336, 341.395

Previews

White Background



This preview shows how the CIELCh color 71, 75.746, 145.366 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 71, 75.746, 145.366 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 71, 75.746, 145.366

Background



This preview shows how black text looks on a background with the CIELCh color 71, 75.746, 145.366.

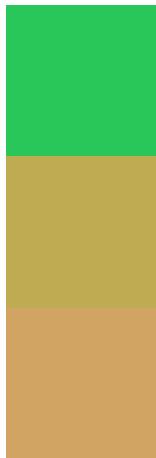


This preview shows how white text looks on a background with the CIELCh color 71, 75.746, 145.366.

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

71, 75.662, 145.304

Protanopia

70, 48.207, 95.300

Deuteranopia

70, 40.555, 76.693



Tritanopia
71, 29.969, 214.474

Trichromacy



Original Color
71, 75.662, 145.304



Protanomaly
69, 54.185, 125.729



Deuteranomaly
68, 44.673, 121.586



Tritanomaly
70, 41.001, 173.402

Monochromacy



Original Color
71, 75.662, 145.304



Achromatopsia
58, 0.007, 296.813



Achromatomaly
61, 31.555, 151.707

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 75.746, 145.366 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(41, 199, 90)` looks like.

```
.text, #text, p{  
    color:rgb(41, 199, 90)  
}
```

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(41, 199, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 199, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 75.746, 145.366 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(41, 199, 90) }
```

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

```
.border{ border-color:rgb(41, 199, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 199, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 199, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 199, 90);  
box-shadow:4px 4px 4px 4px rgb(41, 199,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 75.746, 145.366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 199, 90) }
```

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

```
.background{ background-color: rgb(41, 199,  
90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor