

Converting Colors

CIELCh(66, 73.139, 146.421)

Have a look what the booklet for
CIELCh(66, 73.139, 146.421)
contains.

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Color

CIELCh(66, 73.217, 146.401)

Conversions

Conversions Part 1

Format	Color
Hex	0CB953
RGB	12, 185, 83
RGB Percent	5%, 73%, 33%
CMY	0.9518, 0.2752, 0.6752
CMYK	0.93, 0.00, 0.55, 0.28
HSL	145°, 88%, 39%
HSV	145°, 93%, 72%
XYZ	19.0215, 35.3238, 13.9657
YIQ	121.6450, -70.3660, -68.3980

Conversions

Conversions Part 2

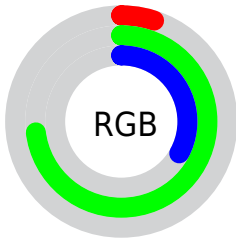
Format	Color
RYB	12, 135, 185
Decimal	833875
CIELab	66.00, -60.98, 40.52
CIElCh	66, 73.217, 146.401
Yxy	35.3238, 0.2785, 0.5171
Android (android.graphics.Color)	4279023955 (0xFF0CB953)
YUV	121.6450, -19.0520, -96.1587
Hunter-Lab	59.4338, -46.8813, 27.6718

Details

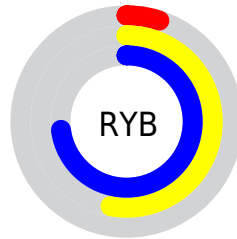
The CIELCh color **66, 73.217, 146.401** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **41, 67.843, 351.724**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 72.993, 146.488**, and **47, 65.732, 140.216** is the 20% darker color. If you saturate the color by 10%, you get **66, 76.334, 145.011**, and if you desaturate by 10%, it is **66, 67.975, 148.486**.

Distribution



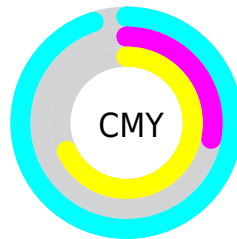
- Red (5%)
- Green (73%)
- Blue (33%)



- Red (5%)
- Yellow (53%)
- Blue (73%)



- Cyan (93%)
- Magenta (0%)
- Yellow (55%)
- Black (28%)





- Cyan (95%)
- Magenta (28%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 73.217, 146.401 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 66, 73.217, 146.401 by changing the saturation by 10% instead.


 66, 73.217,
146.401


 66, 73.217,
146.401


 100, 73.217,
146.401


 56, 73.217,
146.401


 86, 73.217,
146.401

 46, 73.217,
146.401

 96, 73.217,
146.401

 36, 73.217,
146.401

 26, 73.217,
146.401

 16, 73.217,
146.401

 6, 73.217, 146.401

 0, 73.217, 146.401

■ 66, 73.217,
146.401

■ 66, 73.217,
146.401

■ 66, 76.334,
145.011

■ 66, 67.975,
148.486

■ 67, 61.870,
150.396

■ 67, 54.936,
152.105

■ 68, 47.267,
153.614

■ 69, 39.003,
154.939

■ 70, 30.300,
156.100

■ 71, 21.313,
157.122

■ 73, 12.187,

158.032

■ 75, 3.040, 158.916

Harmonies

Complementary

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



66, 73.217, 146.401



41, 67.843, 351.724

Rectangle

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



66, 73.217, 146.401



66, 73.217, 196.401



66, 73.217, 326.401



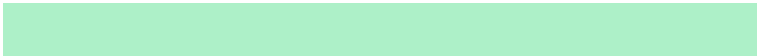
66, 73.217, 16.401

Sweetspot

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



66, 73.217, 146.401



89, 31.519, 156.615



68, 80.837, 123.665



47, 21.693, 156.165



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



66, 73.217, 146.401



83, 93.566, 144.621



68, 42.480, 183.032



38, 5.140, 158.375



56, 66.738, 145.329



8, 15.276, 154.309

Inverse Universe

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



41, 67.843, 351.724



52, 82.844, 354.252



39, 74.028, 33.145



36, 5.183, 339.712



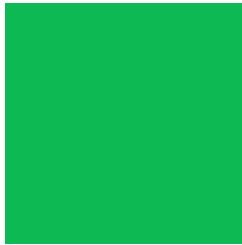
34, 60.319, 353.200



3, 12.931, 345.526

Previews

White Background



This preview shows how the CIELCh color 66, 73.217, 146.401 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 66, 73.217, 146.401 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 66, 73.217, 146.401

Background



This preview shows how black text looks on a background with the CIELCh color 66, 73.217, 146.401.



This preview shows how white text looks on a background with the CIELCh color 66, 73.217, 146.401.

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
66, 73.253, 146.428

Protanopia
65, 45.572, 95.686

Deuteranopia
66, 38.284, 77.295



Tritanopia
66, 29.565, 212.595

Trichromacy



Original Color
66, 73.253, 146.428



Protanomaly
64, 52.526, 129.313



Deuteranomaly
63, 43.217, 126.252



Tritanomaly
66, 41.124, 173.799

Monochromacy



Original Color
66, 73.253, 146.428



Achromatopsia
51, 0.007, 296.813



Achromatomaly
55, 32.003, 155.200

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 73.217, 146.401 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(12, 185, 83)` looks like.

```
.text, #text, p{  
    color:rgb(12, 185, 83)  
}
```

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(12, 185, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 185, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 73.217, 146.401 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(12, 185, 83) }
```

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

```
.border{ border-color:rgb(12, 185, 83) }
```

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

Here you see how a box with a 4 pixel rgb(12, 185, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 185, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 185, 83);  
box-shadow:4px 4px 4px 4px rgb(12, 185,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 73.217, 146.401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 185, 83) }
```

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

```
.background{ background-color: rgb(12, 185,  
83) }
```

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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