

Converting Colors

CIELCh(66, 51.177, 151.837)

Have a look what the booklet for
CIELCh(66, 51.177, 151.837)
contains.

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Color

CIELCh(66, 51.290, 151.697)

Conversions

Conversions Part 1

Format	Color
Hex	4BB473
RGB	75, 180, 115
RGB Percent	29%, 71%, 45%
CMY	0.7063, 0.2945, 0.5494
CMYK	0.58, 0.00, 0.36, 0.29
HSL	143°, 41%, 50%
HSV	143°, 58%, 71%
XYZ	22.2795, 35.3238, 21.8326
YIQ	141.1950, -41.7150, -42.4750

Conversions

Conversions Part 2

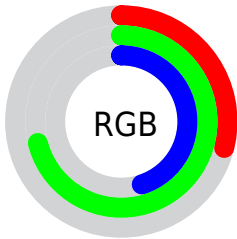
Format	Color
RYB	75, 151, 180
Decimal	4961395
CIELab	66.00, -45.16, 24.32
CIElCh	66, 51.290, 151.697
Yxy	35.3238, 0.2805, 0.4447
Android (android.graphics.Color)	4283151475 (0xFF4BB473)
YUV	141.1950, -12.9141, -58.0530
Hunter-Lab	59.4338, -37.0962, 19.8239

Details

The CIELCh color **66, 51.290, 151.697** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **48, 52.162, 343.163**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 51.749, 151.540**, and **46, 50.679, 151.190** is the 20% darker color. If you saturate the color by 10%, you get **65, 58.653, 150.107**, and if you desaturate by 10%, it is **67, 43.266, 153.095**.

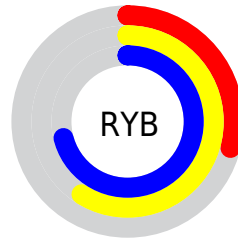
Distribution



Red (29%)

Green (71%)

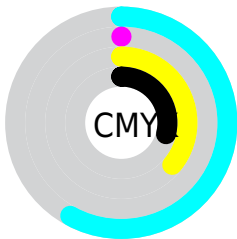
Blue (45%)



Red (29%)

Yellow (59%)

Blue (71%)

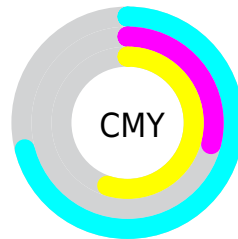


Cyan (58%)

Magenta (0%)

Yellow (36%)

Black (29%)



Cyan (71%)


Magenta (29%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 51.290, 151.697 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, 51.290, 151.697 by changing the saturation by 10% instead.

 66, 51.290,
151.697


 66, 51.290,
151.697


 100, 51.290,
151.697


 56, 51.290,
151.697


 86, 51.290,
151.697

 46, 51.290,
151.697

 96, 51.290,
151.697

 36, 51.290,
151.697

 26, 51.290,
151.697

 16, 51.290,
151.697

 6, 51.290, 151.697

 0, 51.290, 151.697

66, 51.290,
151.697

66, 51.290,
151.697

65, 58.653,
150.107

67, 43.266,
153.095

65, 65.227,
148.320

68, 34.732,
154.318

64, 70.935,
146.350

69, 25.850,
155.390

64, 75.815,
144.279

70, 16.770,
156.334

64, 76.566,
143.963

72, 7.624, 157.185

74, 1.481, 337.646

75, 10.462,
338.498

77, 19.262,
339.104

■ 79, 27.838,
339.646

Harmonies

Complementary

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



66, 51.290, 151.697



48, 52.162, 343.163

Rectangle

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



66, 51.290, 151.697



66, 51.290, 201.697



66, 51.290, 331.697



66, 51.290, 21.697

Sweetspot

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



66, 51.291, 151.697



89, 20.386, 156.340



69, 56.695, 121.441



47, 14.153, 156.080



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



66, 51.291, 151.697



83, 73.924, 149.622



67, 33.643, 183.303



37, 5.126, 157.106



55, 67.499, 144.262



7, 13.206, 154.061

Inverse Universe

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



48, 52.162, 343.163



57, 73.703, 344.997



46, 45.947, 17.209



35, 5.164, 338.404



33, 60.375, 350.827



2, 11.457, 343.218

Previews

White Background



This preview shows how the CIELCh color 66, 51.290, 151.697 looks on a white background.

Color Contrast Check

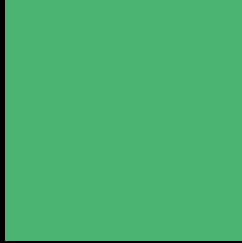
Large Text (above 18pt) WCAG AA × Fail

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, 51.290, 151.697 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, 51.290, 151.697

Background



This preview shows how black text looks on a background with the CIELCh color 66, 51.290, 151.697.



This preview shows how white text looks on a background with the CIELCh color 66, 51.290, 151.697.

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, 51.290, 151.697

Protanopia
66, 29.649, 95.318

Deuteranopia
66, 23.051, 69.490



Tritanopia
66, 24.471, 216.294

Trichromacy



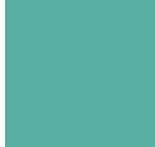
Original Color
66, 51.290, 151.697



Protanomaly
65, 33.920, 128.083



Deuteranomaly
65, 25.141, 123.644



Tritanomaly
66, 29.484, 181.583

Monochromacy



Original Color
66, 51.290, 151.697



Achromatopsia
59, 0.008, 296.813



Achromatomaly
61, 19.599, 156.401

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 51.290, 151.697 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(75, 180, 115)` looks like.

```
.text, #text, p{  
    color:rgb(75, 180, 115)  
}
```

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(75, 180, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 180, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 51.290, 151.697 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(75, 180, 115) }
```

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

```
.border{ border-color:rgb(75, 180, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 180, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 180, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 180, 115);  
box-shadow:4px 4px 4px 4px rgb(75, 180,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 51.290, 151.697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 180, 115) }
```

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

```
.background{ background-color: rgb(75, 180,  
115) }
```

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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