

Converting Colors

CIELCh(72, 47.399, 151.151)

Have a look what the booklet for
CIELCh(72, 47.399, 151.151)
contains.

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Color

CIELCh(72, 47.369, 151.180)

Conversions

Conversions Part 1

Format	Color
Hex	66C385
RGB	102, 195, 133
RGB Percent	40%, 76%, 52%
CMY	0.5992, 0.2345, 0.4777
CMYK	0.48, 0.00, 0.32, 0.23
HSL	140°, 44%, 58%
HSV	140°, 48%, 77%
XYZ	29.3117, 43.6590, 29.1422
YIQ	160.1250, -35.5260, -38.9980

Conversions

Conversions Part 2

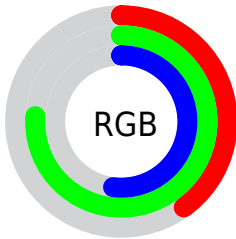
Format	Color
RYB	102, 172, 195
Decimal	6734725
CIELab	72.00, -41.50, 22.83
CIElCh	72, 47.369, 151.180
Yxy	43.6590, 0.2871, 0.4276
Android (android.graphics.Color)	4284924805 (0xFF66C385)
YUV	160.1250, -13.3726, -50.9756
Hunter-Lab	66.0750, -36.4465, 20.1028

Details

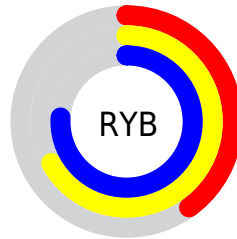
The CIELCh color **72, 47.369, 151.180** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **56, 48.030, 339.514**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 47.409, 150.969**, and **52, 47.630, 151.154** is the 20% darker color. If you saturate the color by 10%, you get **71, 56.353, 149.806**, and if you desaturate by 10%, it is **73, 37.836, 152.379**.

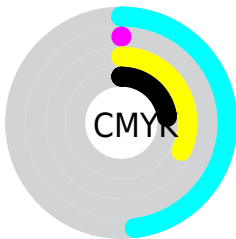
Distribution



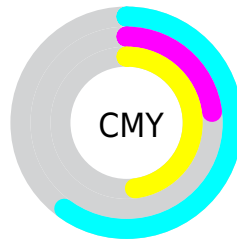
- Red (40%)
- Green (76%)
- Blue (52%)



- Red (40%)
- Yellow (67%)
- Blue (76%)



- Cyan (48%)
- Magenta (0%)
- Yellow (32%)
- Black (23%)





- Cyan (60%)
- Magenta (23%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 47.369, 151.180 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 72, 47.369, 151.180 by changing the saturation by 10% instead.


 72, 47.369,
151.180


 72, 47.369,
151.180


 100, 47.369,
151.180


 62, 47.369,
151.180


 92, 47.369,
151.180

 52, 47.369,
151.180

 42, 47.369,
151.180

 32, 47.369,
151.180

 22, 47.369,
151.180

 12, 47.369,
151.180

 2, 47.369, 151.180

■ 0, 47.369, 151.180

■ 72, 47.369,
151.180

■ 72, 47.369,
151.180

■ 71, 56.353,
149.806

■ 73, 37.836,
152.379

■ 70, 64.602,
148.244

■ 74, 27.937,
153.424

■ 70, 71.960,
146.492

■ 76, 17.843,
154.339

■ 69, 78.317,
144.573

■ 78, 7.701, 155.159

■ 69, 83.655,
142.564

■ 79, 2.371, 335.671

■ 81, 12.287,
336.409

■ 69, 84.814,
142.121

■ 83, 21.982,

336.977

■ 85, 30.589,
335.769

■ 86, 35.575,
327.956

Harmonies

Complementary

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



72, 47.369, 151.180



56, 48.030, 339.514

Rectangle

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



72, 47.369, 151.180



72, 47.369, 201.180



72, 47.369, 331.180



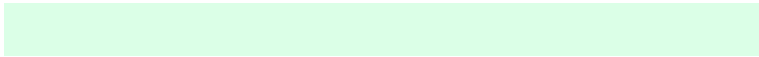
72, 47.369, 21.180

Sweetspot

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



72, 47.370, 151.180



97, 17.577, 154.627



75, 49.793, 119.805



51, 12.141, 154.443



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 47.370, 151.180



90, 69.187, 149.767



73, 31.834, 179.969



40, 5.685, 155.021



58, 72.874, 142.442



10, 20.566, 150.958

Inverse Universe

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



56, 48.030, 339.514



67, 69.655, 340.597



55, 39.525, 10.910



38, 5.719, 336.279



35, 64.164, 347.131



3, 17.756, 342.210

Previews

White Background



This preview shows how the CIELCh color 72, 47.369, 151.180 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 72, 47.369, 151.180 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 72, 47.369, 151.180

Background



This preview shows how black text looks on a background with the CIELCh color 72, 47.369, 151.180.

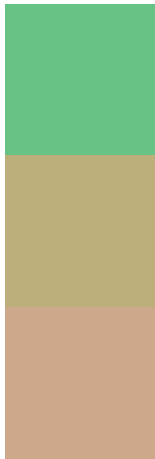


This preview shows how white text looks on a background with the CIELCh color 72, 47.369, 151.180.

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
72, 47.369, 151.180

Protanopia
72, 28.129, 95.400

Deuteranopia
71, 22.160, 64.984

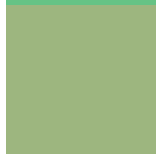


Tritanopia
72, 22.712, 219.149

Trichromacy



Original Color
72, 47.369, 151.180



Protanomaly
71, 31.224, 126.030



Deuteranomaly
71, 22.512, 118.234



Tritanomaly
72, 26.913, 181.961

Monochromacy



Original Color
72, 47.369, 151.180



Achromatopsia
66, 0.008, 296.813



Achromatomaly
68, 18.151, 153.784

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 47.369, 151.180 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(102, 195, 133)` looks like.

```
.text, #text, p{  
    color:rgb(102, 195, 133)  
}
```

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(102, 195, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 195, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 47.369, 151.180 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(102, 195, 133) }
```

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

```
.border{ border-color:rgb(102, 195, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 195, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 195, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 195, 133);  
box-shadow:4px 4px 4px 4px rgb(102, 195,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 47.369, 151.180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 195, 133) }
```

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

```
.background{ background-color: rgb(102,  
195, 133) }
```

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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