

Converting Colors

CIELCh(72, 54.630, 145.102)

Have a look what the booklet for
CIELCh(72, 54.630, 145.102)
contains.

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Color

CIELCh(72, 54.562, 145.045)

Conversions

Conversions Part 1

Format	Color
Hex	66C475
RGB	102, 196, 117
RGB Percent	40%, 77%, 46%
CMY	0.5995, 0.2308, 0.5407
CMYK	0.48, 0.00, 0.40, 0.23
HSL	130°, 44%, 58%
HSV	130°, 48%, 77%
XYZ	28.4821, 43.6590, 23.7925
YIQ	158.8880, -30.6650, -44.4970

Conversions

Conversions Part 2

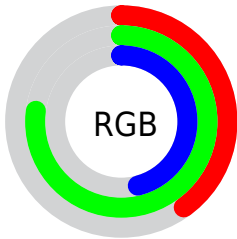
Format	Color
RYB	102, 183, 196
Decimal	6734965
CIELab	72.00, -44.72, 31.26
CIELCh	72, 54.562, 145.045
Yxy	43.6590, 0.2969, 0.4551
Android (android.graphics.Color)	4284925045 (0xFF66C475)
YUV	158.8880, -20.6508, -49.8908
Hunter-Lab	66.0750, -38.6875, 24.9032

Details

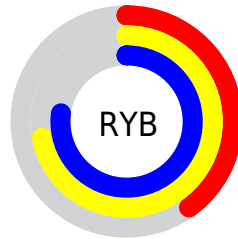
The CIELCh color **72, 54.562, 145.045** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **57, 54.403, 332.143**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 54.379, 145.118**, and **52, 54.534, 145.059** is the 20% darker color. If you saturate the color by 10%, you get **71, 64.817, 143.780**, and if you desaturate by 10%, it is **73, 43.627, 146.158**.

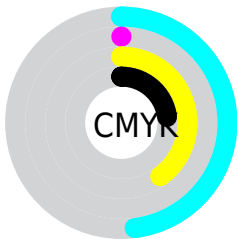
Distribution



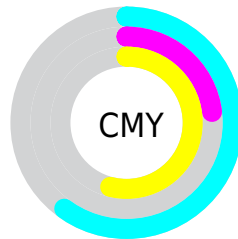
- Red (40%)
- Green (77%)
- Blue (46%)



- Red (40%)
- Yellow (72%)
- Blue (77%)



- Cyan (48%)
- Magenta (0%)
- Yellow (40%)
- Black (23%)





- Cyan (60%)
- Magenta (23%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 54.562, 145.045 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, 54.562, 145.045 by changing the saturation by 10% instead.


 72, 54.562,
145.045


 72, 54.562,
145.045


 100, 54.562,
145.045


 62, 54.562,
145.045


 92, 54.562,
145.045

 52, 54.562,
145.045

 42, 54.562,
145.045

 32, 54.562,
145.045

 22, 54.562,
145.045

 12, 54.562,
145.045

 2, 54.562, 145.045

■ 0, 54.562, 145.045

■ 72, 54.562,
145.045

■ 72, 54.562,
145.045

■ 71, 64.817,
143.780

■ 73, 43.627,
146.158

■ 70, 74.110,
142.375

■ 74, 32.264,
147.125

■ 70, 82.158,
140.873

■ 76, 20.697,
147.960

■ 69, 88.692,
139.352

■ 78, 9.105, 148.691

■ 69, 93.521,
137.954

■ 80, 2.372, 329.148

■ 69, 94.335,
137.722

■ 82, 13.636,
329.778

■ 84, 24.617,

330.246

■ 86, 34.454,
328.675

■ 86, 36.920,
325.707

Harmonies

Complementary

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



72, 54.562, 145.045



57, 54.403, 332.143

Rectangle

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



72, 54.562, 145.045



72, 54.562, 195.045



72, 54.562, 325.045



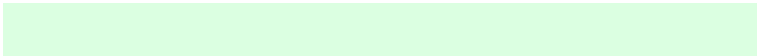
72, 54.562, 15.045

Sweetspot

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



72, 54.563, 145.045



97, 19.974, 148.241



76, 48.982, 112.569



51, 13.802, 148.077



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, 54.563, 145.045



90, 80.141, 143.648



73, 36.645, 167.439



40, 6.455, 148.590



58, 80.941, 137.938



10, 22.459, 147.091

Inverse Universe

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



57, 54.403, 332.143



68, 79.130, 332.861



55, 41.138, 358.610



38, 6.472, 329.684



37, 72.320, 335.694



4, 20.830, 332.551

Previews

White Background



This preview shows how the CIELCh color 72, 54.562, 145.045 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, 54.562, 145.045 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, 54.562, 145.045

Background



This preview shows how black text looks on a background with the CIELCh color 72, 54.562, 145.045.

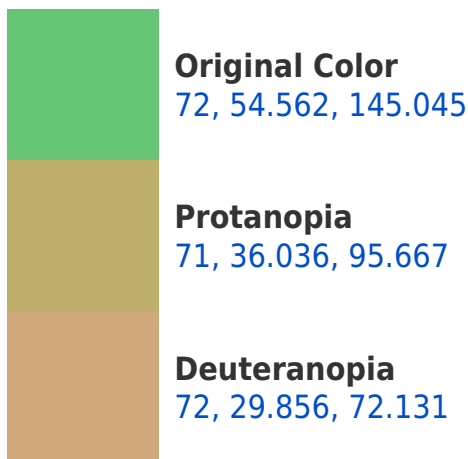


This preview shows how white text looks on a background with the CIELCh color 72, 54.562, 145.045.

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





Tritanopia
72, 21.972, 219.968

Trichromacy



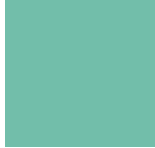
Original Color
72, 54.562, 145.045



Protanomaly
71, 39.029, 121.122



Deuteranomaly
71, 30.763, 113.279



Tritanomaly
72, 28.389, 174.535

Monochromacy



Original Color
72, 54.562, 145.045



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 20.917, 148.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 54.562, 145.045 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, 196, 117)` looks like.

```
.text, #text, p{  
    color:rgb(102, 196, 117)  
}
```

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, 196, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 196, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 54.562, 145.045 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, 196, 117) }
```

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

```
.border{ border-color:rgb(102, 196, 117) }
```

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

Here you see how a box with a 4 pixel rgb(102, 196, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 196, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 196, 117);  
box-shadow:4px 4px 4px 4px rgb(102, 196,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 54.562, 145.045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 196, 117) }
```

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

```
.background{ background-color: rgb(102,  
196, 117) }
```

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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