

Converting Colors

CIELCh(76, 76.707, 143.649)

Have a look what the booklet for
CIELCh(76, 76.707, 143.649)
contains.

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Color

CIELCh(76, 76.596, 143.625)

Conversions

Conversions Part 1

Format	Color
Hex	45D562
RGB	69, 213, 98
RGB Percent	27%, 84%, 38%
CMY	0.7281, 0.1636, 0.6147
CMYK	0.67, 0.00, 0.54, 0.16
HSL	132°, 63%, 55%
HSV	132°, 67%, 84%
XYZ	28.5560, 49.8872, 19.7397
YIQ	156.8340, -48.9090, -66.2930

Conversions

Conversions Part 2

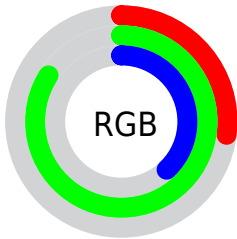
Format	Color
RYB	69, 189, 213
Decimal	4576610
CIELab	76.00, -61.67, 45.43
CIELCh	76, 76.596, 143.625
Yxy	49.8872, 0.2908, 0.5081
Android (android.graphics.Color)	4282766690 (0xFF45D562)
YUV	156.8340, -29.0052, -77.0304
Hunter-Lab	70.6309, -51.4368, 32.8714

Details

The CIELCh color **76, 76.596, 143.625** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **54, 74.709, 335.230**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 67.736, 144.435**, and **56, 73.722, 141.197** is the 20% darker color. If you saturate the color by 10%, you get **75, 85.118, 142.034**, and if you desaturate by 10%, it is **77, 66.858, 145.085**.

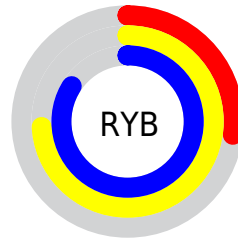
Distribution



Red (27%)

Green (84%)

Blue (38%)



Red (27%)

Yellow (74%)

Blue (84%)

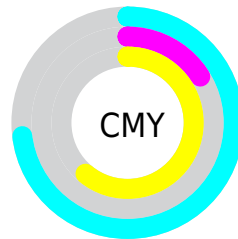


Cyan (67%)

Magenta (0%)

Yellow (54%)

Black (16%)



Cyan (73%)


Magenta (16%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 76.596, 143.625 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 76, 76.596, 143.625 by changing the saturation by 10% instead.


 76, 76.596,
143.625


 76, 76.596,
143.625


 100, 76.596,
143.625


 66, 76.596,
143.625


 96, 76.596,
143.625

 56, 76.596,
143.625

 46, 76.596,
143.625

 36, 76.596,
143.625

 26, 76.596,
143.625

 16, 76.596,
143.625

 6, 76.596, 143.625

■ 0, 76.596, 143.625

■ 76, 76.596,
143.625

■ 76, 76.596,
143.625

■ 75, 85.118,
142.034

■ 77, 66.858,
145.085

■ 75, 92.185,
140.376

■ 78, 56.166,
146.386

■ 75, 97.629,
138.769

■ 79, 44.790,
147.524

■ 75, 98.774,
138.423

■ 80, 32.984,
148.510

■ 82, 20.971,
149.363

■ 84, 8.934, 150.113

■ 86, 2.985, 330.599

■ 88, 14.683,
331.232

■ 90, 24.753,
327.622

Harmonies

Complementary

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



76, 76.596, 143.625



54, 74.709, 335.230

Rectangle

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



76, 76.596, 143.625



76, 76.596, 193.625



76, 76.596, 323.625



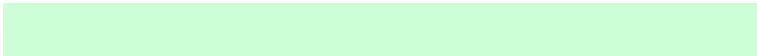
76, 76.596, 13.625

Sweetspot

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



76, 76.597, 143.625



96, 27.742, 149.143



81, 70.911, 113.916



50, 18.933, 148.904



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 76.597, 143.625



88, 101.132, 141.318



77, 49.369, 167.943



44, 6.804, 149.973



61, 83.218, 138.680



14, 28.992, 144.619

Inverse Universe

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



54, 74.709, 335.230



60, 94.978, 336.455



51, 59.774, 7.157



42, 6.826, 331.115



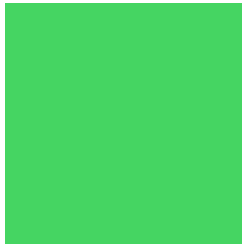
39, 73.322, 338.138



6, 28.427, 335.915

Previews

White Background



This preview shows how the CIELCh color 76, 76.596, 143.625 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 76, 76.596, 143.625 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 76, 76.596, 143.625

Background



This preview shows how black text looks on a background with the CIELCh color 76, 76.596, 143.625.

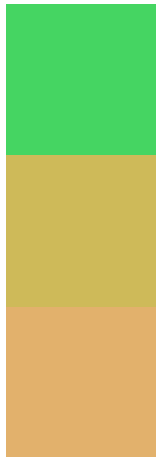


This preview shows how white text looks on a background with the CIELCh color 76, 76.596, 143.625.

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
76, 76.596, 143.625

Protanopia
75, 51.156, 95.515

Deuteranopia
75, 42.973, 76.954



Tritanopia
76, 29.218, 214.815

Trichromacy



Original Color
76, 76.596, 143.625



Protanomaly
74, 56.011, 122.324



Deuteranomaly
74, 45.826, 116.880



Tritanomaly
75, 40.051, 171.739

Monochromacy



Original Color
76, 76.596, 143.625



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 30.044, 148.732

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 76.596, 143.625 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(69, 213, 98)` looks like.

```
.text, #text, p{  
    color:rgb(69, 213, 98)  
}
```

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(69, 213, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 213, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 76.596, 143.625 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(69, 213, 98) }
```

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

```
.border{ border-color:rgb(69, 213, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 213, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 213, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 213, 98);  
box-shadow:4px 4px 4px 4px rgb(69, 213,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 76.596, 143.625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 213, 98) }
```

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

```
.background{ background-color: rgb(69, 213,  
98) }
```

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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