

Converting Colors

CIELCh(80, 91.467, 142.672)

Have a look what the booklet for
CIELCh(80, 91.467, 142.672)
contains.

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Color

CIELCh(80, 91.278, 142.693)

Conversions

Conversions Part 1

Format	Color
Hex	23E456
RGB	35, 228, 86
RGB Percent	14%, 89%, 34%
CMY	0.8638, 0.1047, 0.6616
CMYK	0.85, 0.00, 0.62, 0.10
HSL	136°, 78%, 52%
HSV	136°, 85%, 90%
XYZ	30.2009, 56.6813, 18.2119
YIQ	154.1050, -69.4460, -85.0780

Conversions

Conversions Part 2

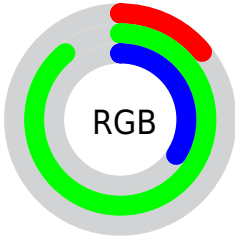
Format	Color
R_{YB}	35, 188, 228
Decimal	2352214
CIE _{Lab}	80.00, -72.60, 55.32
CIE _{LCh}	80, 91.278, 142.693
Yxy	56.6813, 0.2874, 0.5393
Android (android.graphics.Color)	4280542294 (0xFF23E456)
YUV	154.1050, -33.5758, -104.4551
Hunter-Lab	75.2870, -60.1481, 38.3586

Details

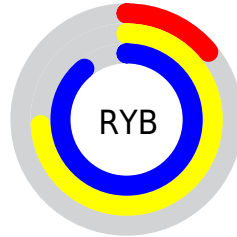
The CIELCh color **80, 91.278, 142.693** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **53, 84.769, 340.383**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 74.828, 144.256**, and **61, 84.748, 137.942** is the 20% darker color. If you saturate the color by 10%, you get **80, 97.612, 140.825**, and if you desaturate by 10%, it is **80, 83.537, 144.495**.

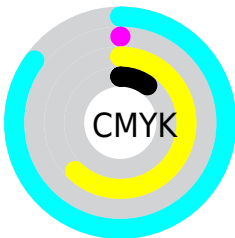
Distribution



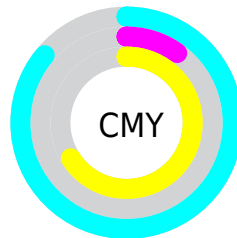
- Red (14%)
- Green (89%)
- Blue (34%)



- Red (14%)
- Yellow (74%)
- Blue (89%)



- Cyan (85%)
- Magenta (0%)
- Yellow (62%)
- Black (10%)





- Cyan (86%)
- Magenta (10%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 91.278, 142.693 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 80, 91.278, 142.693 by changing the saturation by 10% instead.


 80, 91.278,
142.693


 80, 91.278,
142.693


 100, 91.278,
142.693


 70, 91.278,
142.693


 60, 91.278,
142.693

 50, 91.278,
142.693

 40, 91.278,
142.693

 30, 91.278,
142.693

 20, 91.278,
142.693

 10, 91.278,

142.693

■ 0, 91.278, 142.693

■ 80, 91.278,
142.693

■ 80, 91.278,
142.693

■ 80, 97.612,
140.825

■ 80, 83.537,
144.495

■ 80, 100.395,
139.904

■ 81, 74.518,
146.155

■ 82, 64.415,
147.642

■ 83, 53.458,
148.948

■ 84, 41.892,
150.083

■ 86, 29.953,
151.068

■ 88, 17.848,
151.925

■ 90, 5.747, 152.705

■ 92, 6.217, 333.226

Harmonies

Complementary

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



80, 91.278, 142.693



53, 84.769, 340.383

Rectangle

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



80, 91.278, 142.693



80, 91.278, 192.693



80, 91.278, 322.693



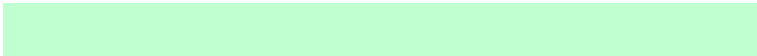
80, 91.278, 12.693

Sweetspot

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



80, 91.278, 142.693



95, 33.039, 151.035



85, 87.633, 116.403



50, 22.525, 150.701



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 91.278, 142.693



88, 109.453, 139.786



81, 56.925, 168.801



47, 6.865, 152.342



64, 82.898, 140.223



17, 31.893, 144.134

Inverse Universe

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



53, 84.769, 340.383



57, 94.044, 342.844



50, 75.430, 18.227



45, 6.895, 333.556



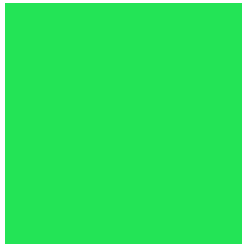
40, 72.250, 342.430



8, 31.171, 339.704

Previews

White Background



This preview shows how the CIE LCh color 80, 91.278, 142.693 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 80, 91.278, 142.693 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 80, 91.278, 142.693

Background



This preview shows how black text looks on a background with the CIELCh color 80, 91.278, 142.693.

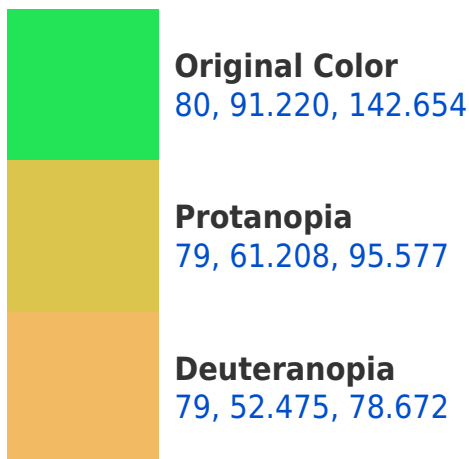


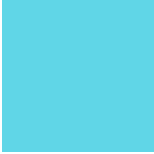
This preview shows how white text looks on a background with the CIELCh color 80, 91.278, 142.693.

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
80, 33.722, 213.025

Trichromacy



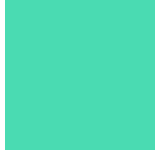
Original Color
80, 91.220, 142.654



Protanomaly
77, 67.907, 124.117



Deuteranomaly
77, 57.009, 119.853



Tritanomaly
79, 48.914, 169.419

Monochromacy



Original Color
80, 91.220, 142.654



Achromatopsia
64, 0.008, 296.813



Achromatomaly
68, 38.741, 149.392

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 91.278, 142.693 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(35, 228, 86)` looks like.

```
.text, #text, p{  
    color:rgb(35, 228, 86)  
}
```

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(35, 228, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 228, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 91.278, 142.693 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(35, 228, 86) }
```

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

```
.border{ border-color:rgb(35, 228, 86) }
```

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

Here you see how a box with a 4 pixel rgb(35, 228, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 228, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 228, 86);  
box-shadow:4px 4px 4px 4px rgb(35, 228,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 91.278, 142.693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 228, 86) }
```

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

```
.background{ background-color: rgb(35, 228,  
86) }
```

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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