

Converting Colors

CIELCh(73, 94.846, 133.601)

Have a look what the booklet for
CIELCh(73, 94.846, 133.601)
contains.

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Color

CIELCh(73, 94.712, 133.625)

Conversions

Conversions Part 1

Format	Color
Hex	45CD19
RGB	69, 205, 25
RGB Percent	27%, 80%, 10%
CMY	0.7313, 0.1945, 0.9033
CMYK	0.67, 0.00, 0.88, 0.19
HSL	105°, 79%, 45%
HSV	105°, 88%, 81%
XYZ	24.5154, 45.1644, 8.3258
YIQ	143.8160, -23.2760, -84.8120

Conversions

Conversions Part 2

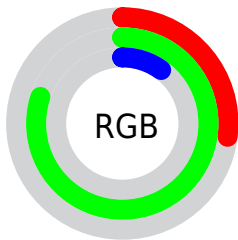
Format	Color
RYB	25, 205, 161
Decimal	4574489
CIELab	73.00, -65.35, 68.56
CIELCh	73, 94.712, 133.625
Yxy	45.1644, 0.3143, 0.5790
Android (android.graphics.Color)	4282764569 (0xFF45CD19)
YUV	143.8160, -58.5763, -65.6136
Hunter-Lab	67.2044, -52.4932, 39.6978

Details

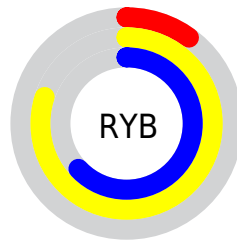
The CIELCh color **73, 94.712, 133.625** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **42, 96.754, 319.772**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 90.307, 133.316**, and **53, 80.232, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **73, 98.639, 134.085**, and if you desaturate by 10%, it is **73, 88.430, 133.552**.

Distribution



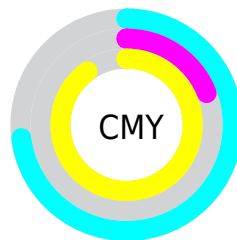
- Red (27%)
- Green (80%)
- Blue (10%)



- Red (10%)
- Yellow (80%)
- Blue (63%)



- Cyan (67%)
- Magenta (0%)
- Yellow (88%)
- Black (19%)





- Cyan (73%)
- Magenta (19%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 94.712, 133.625 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 73, 94.712, 133.625 by changing the saturation by 10% instead.


 73, 94.712,
133.625


 73, 94.712,
133.625


 100, 94.712,
133.625


 63, 94.712,
133.625


 93, 94.712,
133.625


 53, 94.712,
133.625

 43, 94.712,
133.625

 33, 94.712,
133.625

 23, 94.712,
133.625

 13, 94.712,
133.625

 3, 94.712, 133.625

■ 0, 94.712, 133.625

■ 73, 94.712,
133.625

■ 73, 94.712,
133.625

■ 73, 98.639,
134.085

■ 73, 88.430,
133.552

■ 73, 99.282,
134.169

■ 74, 80.012,
133.826

■ 75, 69.977,
134.318

■ 76, 58.834,
134.914

■ 77, 46.988,
135.535

■ 78, 34.740,
136.133

■ 80, 22.314,
136.687

■ 81, 9.869, 137.191

■ 83, 2.479, 317.524

Harmonies

Complementary

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



73, 94.712, 133.625



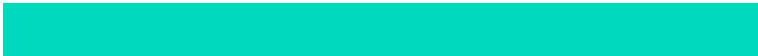
42, 96.754, 319.772

Rectangle

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



73, 94.712, 133.625



73, 94.712, 183.625



73, 94.712, 313.625



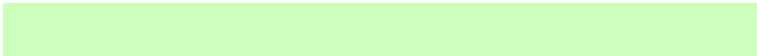
73, 94.712, 3.625

Sweetspot

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



73, 94.712, 133.626



95, 38.470, 136.229



68, 68.161, 85.470



50, 26.066, 136.026



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 94.712, 133.626



88, 117.066, 134.302



73, 86.965, 141.706



42, 6.973, 137.123



60, 84.472, 134.002



12, 26.706, 137.916

Inverse Universe

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



42, 96.754, 319.772



50, 118.645, 319.078



47, 79.804, 339.777



40, 7.019, 317.906



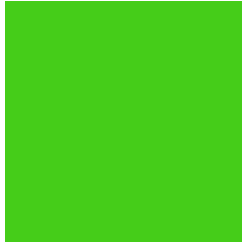
32, 85.845, 319.305



4, 26.511, 317.511

Previews

White Background



This preview shows how the CIELCh color 73, 94.712, 133.625 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 73, 94.712, 133.625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

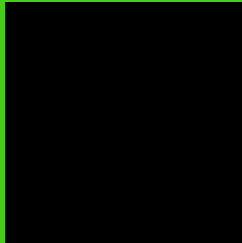
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 94.712, 133.625

Background



This preview shows how black text looks on a background with the CIELCh color 73, 94.712, 133.625.

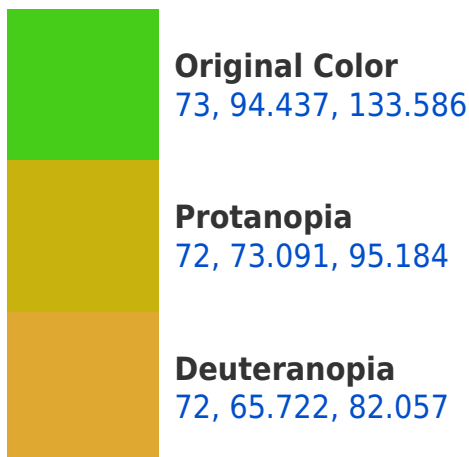


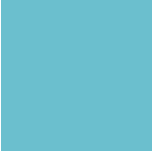
This preview shows how white text looks on a background with the CIELCh color 73, 94.712, 133.625.

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



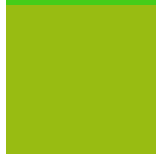


Tritanopia
73, 26.480, 215.710

Trichromacy



Original Color
73, 94.437, 133.586



Protanomaly
71, 76.849, 114.725



Deuteranomaly
71, 68.385, 109.060



Tritanomaly
72, 46.970, 155.884

Monochromacy



Original Color
73, 94.437, 133.586



Achromatopsia
60, 0.008, 296.813



Achromatomaly
63, 40.663, 135.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 94.712, 133.625 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, 205, 25)` looks like.

```
.text, #text, p{  
    color:rgb(69, 205, 25)  
}
```

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, 205, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 205, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 94.712, 133.625 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, 205, 25) }
```

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

```
.border{ border-color:rgb(69, 205, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 205, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 205, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 205, 25);  
box-shadow:4px 4px 4px 4px rgb(69, 205,  
25) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 94.712, 133.625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 205, 25) }
```

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

```
.background{ background-color: rgb(69, 205,  
25) }
```

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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