

Converting Colors

CIELCh(55, 76.559, 134.460)

Have a look what the booklet for
CIELCh(55, 76.559, 134.460)
contains.

CIELCh(55, 76.575, 134.400)	3
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Color

CIELCh(55, 76.575, 134.400)

Conversions

Conversions Part 1

Format	Color
Hex	2A980F
RGB	42, 152, 15
RGB Percent	16%, 60%, 6%
CMY	0.8361, 0.4045, 0.9421
CMYK	0.72, 0.00, 0.90, 0.40
HSL	108°, 82%, 33%
HSV	108°, 90%, 60%
XYZ	12.2347, 22.9298, 4.2237
YIQ	103.4920, -21.5830, -65.9270

Conversions

Conversions Part 2

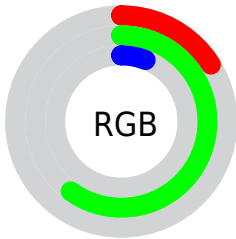
Format	Color
RYB	15, 152, 125
Decimal	2791439
CIELab	55.00, -53.58, 54.71
CIELCh	55, 76.575, 134.400
Yxy	22.9298, 0.3106, 0.5821
Android (android.graphics.Color)	4280981519 (0xFF2A980F)
YUV	103.4920, -43.6266, -53.9285
Hunter-Lab	47.8851, -38.1919, 28.2899

Details

The CIELCh color **55, 76.575, 134.400** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **32, 77.116, 321.248**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 76.223, 134.365**, and **36, 59.853, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 79.758, 134.541**, and if you desaturate by 10%, it is **55, 71.792, 134.447**.

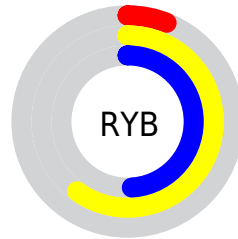
Distribution



Red (16%)

Green (60%)

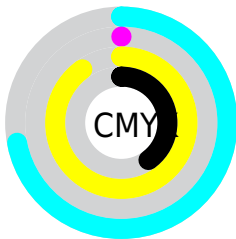
Blue (6%)



Red (6%)

Yellow (60%)

Blue (49%)

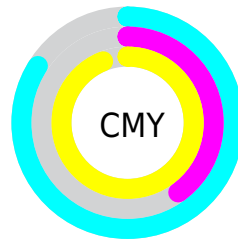


Cyan (72%)

Magenta (0%)

Yellow (90%)

Black (40%)



Cyan (84%)


Magenta (40%)


Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 76.575, 134.400 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 55, 76.575, 134.400 by changing the saturation by 10% instead.


 55, 76.575,
134.400


 55, 76.575,
134.400


 100, 76.575,
134.400


 45, 76.575,
134.400


 75, 76.575,
134.400

 35, 76.575,
134.400

 85, 76.575,
134.400

 25, 76.575,
134.400

 95, 76.575,
134.400

 15, 76.575,
134.400

 5, 76.575, 134.400

 0, 76.575, 134.400

■ 55, 76.575,
134.400

■ 55, 76.575,
134.400

■ 55, 79.758,
134.541

■ 55, 71.792,
134.447

■ 56, 65.305,
134.812

■ 56, 57.507,
135.377

■ 57, 48.787,
136.031

■ 58, 39.468,
136.699

■ 59, 29.795,
137.336

■ 60, 19.953,
137.921

■ 61, 10.077,

138.447

■ 63, 0.266, 139.527

Harmonies

Complementary

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



55, 76.575, 134.400



32, 77.116, 321.248

Rectangle

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



55, 76.575, 134.400



55, 76.575, 184.400



55, 76.575, 314.400



55, 76.575, 4.400

Sweetspot

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



55, 76.575, 134.401



75, 32.769, 137.503



53, 55.881, 89.497



39, 22.246, 137.315



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



55, 76.575, 134.401



70, 96.690, 134.725



55, 67.207, 143.232



32, 5.570, 138.500



51, 75.194, 134.471



3, 6.012, 138.997

Inverse Universe

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



32, 77.116, 321.248



40, 96.708, 320.776



34, 61.812, 342.890



30, 5.601, 319.276



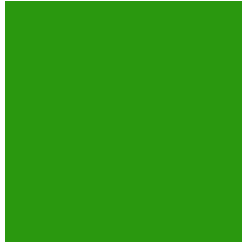
28, 75.402, 320.957



1, 5.984, 318.491

Previews

White Background



This preview shows how the CIE LCh color 55, 76.575, 134.400 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 76.575, 134.400 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 × Fail

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

CIELCh 55, 76.575, 134.400

Background



This preview shows how black text looks on a background with the CIELCh color 55, 76.575, 134.400.

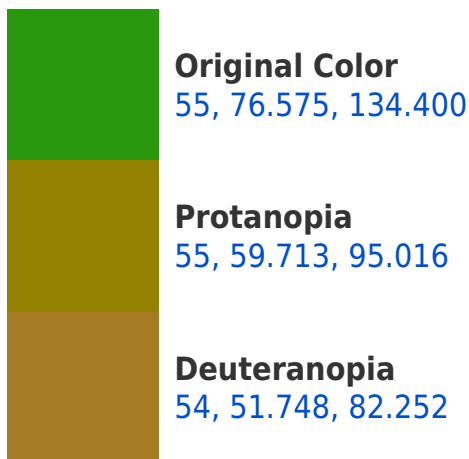


This preview shows how white text looks on a background with the CIELCh color 55, 76.575, 134.400.

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
55, 22.026, 215.978

Trichromacy



Original Color
55, 76.575, 134.400



Protanomaly
54, 62.669, 115.548



Deuteranomaly
53, 54.387, 110.426



Tritanomaly
54, 38.457, 157.247

Monochromacy



Original Color
55, 76.575, 134.400



Achromatopsia
44, 0.006, 296.813



Achromatomaly
47, 33.584, 136.611

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 76.575, 134.400 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(42, 152, 15)` looks like.

```
.text, #text, p{  
    color:rgb(42, 152, 15)  
}
```

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(42, 152, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 152, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 76.575, 134.400 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(42, 152, 15) }
```

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

```
.border{ border-color:rgb(42, 152, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 152, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 152, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 152, 15);  
box-shadow:4px 4px 4px 4px rgb(42, 152,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 76.575, 134.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 152, 15) }
```

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

```
.background{ background-color: rgb(42, 152,  
15) }
```

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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