

Converting Colors

CIELCh(55, 74.744, 134.884)

Have a look what the booklet for
CIELCh(55, 74.744, 134.884)
contains.

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Color

CIELCh(55, 74.810, 134.946)

Conversions

Conversions Part 1

Format	Color
Hex	2C9817
RGB	44, 152, 23
RGB Percent	17%, 60%, 9%
CMY	0.8293, 0.4053, 0.9116
CMYK	0.71, 0.00, 0.85, 0.41
HSL	110°, 74%, 34%
HSV	110°, 85%, 59%
XYZ	12.3409, 22.9298, 4.5622
YIQ	105.0020, -22.9590, -63.0150

Conversions

Conversions Part 2

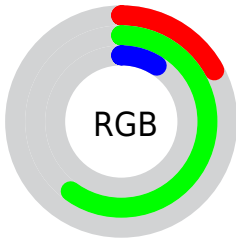
Format	Color
R_{YB}	23, 152, 131
Decimal	2922519
CIE _{Lab}	55.00, -52.85, 52.95
CIE _{LCh}	55, 74.810, 134.946
Yxy	22.9298, 0.3098, 0.5757
Android (android.graphics.Color)	4281112599 (0xFF2C9817)
YUV	105.0020, -40.4270, -53.4988
Hunter-Lab	47.8851, -37.7962, 27.8708

Details

The CIELCh color **55, 74.810, 134.946** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **33, 74.884, 322.514**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 74.592, 134.862**, and **36, 60.276, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 78.614, 134.955**, and if you desaturate by 10%, it is **55, 69.150, 135.275**.

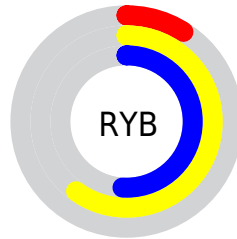
Distribution



Red (17%)

Green (60%)

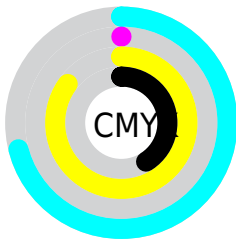
Blue (9%)



Red (9%)

Yellow (60%)

Blue (51%)

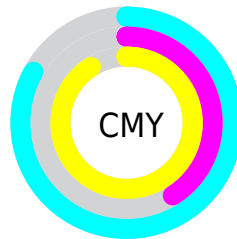


Cyan (71%)

Magenta (0%)

Yellow (85%)

Black (41%)



Cyan (83%)

Magenta (41%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 74.810, 134.946 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, 74.810, 134.946 by changing the saturation by 10% instead.


 55, 74.810,
134.946


 55, 74.810,
134.946


 100, 74.810,
134.946


 45, 74.810,
134.946


 75, 74.810,
134.946

 35, 74.810,
134.946

 85, 74.810,
134.946

 25, 74.810,
134.946

 95, 74.810,
134.946

 15, 74.810,
134.946

 5, 74.810, 134.946

 0, 74.810, 134.946

■ 55, 74.810,
134.946

■ 55, 74.810,
134.946

■ 55, 78.614,
134.955

■ 55, 69.150,
135.275

■ 55, 80.089,
134.929

■ 56, 61.942,
135.847

■ 57, 53.593,
136.542

■ 57, 44.469,
137.269

■ 58, 34.859,
137.971

■ 59, 24.985,
138.617

■ 61, 15.011,
139.197

■ 62, 5.061, 139.724

Harmonies

Complementary

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



55, 74.810, 134.946



33, 74.884, 322.514

Rectangle

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



55, 74.810, 134.946



55, 74.810, 184.946



55, 74.810, 314.946



55, 74.810, 4.946

Sweetspot

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



55, 74.810, 134.947



75, 31.904, 138.531



55, 55.252, 92.682



39, 21.791, 138.331



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, 74.810, 134.947



69, 97.157, 135.090



55, 62.903, 145.386



32, 5.630, 139.510



51, 75.587, 134.869



3, 6.074, 140.003

Inverse Universe

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



33, 74.884, 322.514



41, 96.248, 322.019



35, 59.492, 344.164



30, 5.656, 320.312



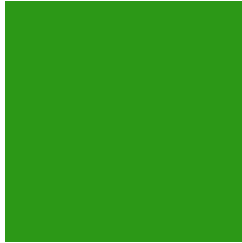
29, 75.058, 322.172



1, 6.046, 319.530

Previews

White Background



This preview shows how the CIELCh color 55, 74.810, 134.946 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, 74.810, 134.946 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, 74.810, 134.946

Background



This preview shows how black text looks on a background with the CIELCh color 55, 74.810, 134.946.



This preview shows how white text looks on a background with the CIELCh color 55, 74.810, 134.946.

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

55, 74.810, 134.946

Protanopia

55, 56.718, 95.460

Deuteranopia

55, 50.227, 81.819



Tritanopia
55, 21.800, 216.195

Trichromacy



Original Color
55, 74.810, 134.946



Protanomaly
54, 60.331, 116.266



Deuteranomaly
53, 52.703, 110.826



Tritanomaly
54, 36.842, 158.721

Monochromacy



Original Color
55, 74.810, 134.946



Achromatopsia
44, 0.006, 296.813



Achromatomaly
47, 31.869, 137.587

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 74.810, 134.946 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(44, 152, 23)` looks like.

```
.text, #text, p{  
    color:rgb(44, 152, 23)  
}
```

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(44, 152, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 152, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 74.810, 134.946 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(44, 152, 23) }
```

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

```
.border{ border-color:rgb(44, 152, 23) }
```

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

Here you see how a box with a 4 pixel rgb(44, 152, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 152, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 152, 23);  
box-shadow:4px 4px 4px 4px rgb(44, 152,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 74.810, 134.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 152, 23) }
```

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

```
.background{ background-color: rgb(44, 152,  
23) }
```

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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