

Converting Colors

CIELCh(55, 79.813, 128.782)

Have a look what the booklet for
CIELCh(55, 79.813, 128.782)
contains.

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Color

CIELCh(55, 75.788, 130.624)

Conversions

Conversions Part 1

Format	Color
Hex	3C9600
RGB	60, 150, 0
RGB Percent	24%, 59%, 0%
CMY	0.7632, 0.4099, 1.0000
CMYK	0.60, 0.00, 1.00, 0.41
HSL	96°, 100%, 30%
HSV	96°, 100%, 59%
XYZ	12.8603, 22.9298, 3.7189
YIQ	105.9900, -5.4900, -65.7300

Conversions

Conversions Part 2

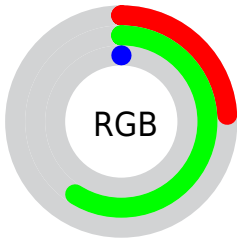
Format	Color
RYB	0, 150, 90
Decimal	3970560
CIELab	55.00, -49.34, 57.52
CIELCh	55, 75.788, 130.624
Yxy	22.9298, 0.3255, 0.5804
Android (android.graphics.Color)	4282160640 (0xFF3C9600)
YUV	105.9900, -52.2531, -40.3332
Hunter-Lab	47.8851, -35.8598, 28.9149

Details

The CIELCh color **55, 75.788, 130.624** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **25, 82.317, 314.549**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 75.577, 130.579**, and **35, 59.429, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 75.646, 130.691**, and if you desaturate by 10%, it is **55, 72.153, 129.994**.

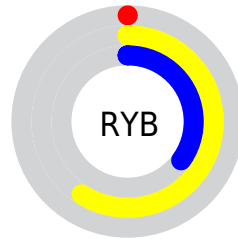
Distribution



Red (24%)

Green (59%)

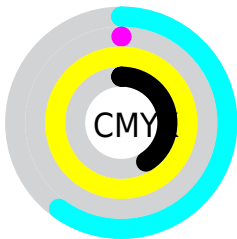
Blue (0%)



Red (0%)

Yellow (59%)

Blue (35%)

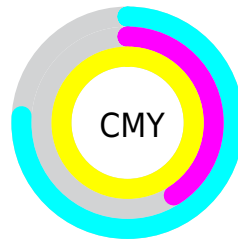


Cyan (60%)

Magenta (0%)

Yellow (100%)

Black (41%)



Cyan (76%)


Magenta (41%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 75.788, 130.624 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, 75.788, 130.624 by changing the saturation by 10% instead.


 55, 75.788,
130.624


 55, 75.788,
130.624


 100, 75.788,
130.624


 45, 75.788,
130.624


 75, 75.788,
130.624

 35, 75.788,
130.624

 85, 75.788,
130.624

 25, 75.788,
130.624

 95, 75.788,
130.624

 15, 75.788,
130.624

 5, 75.788, 130.624

 0, 75.788, 130.624

■ 55, 75.788,
130.624

■ 55, 75.788,
130.624

■ 55, 75.646,
130.691

■ 55, 72.153,
129.994

■ 56, 67.335,
129.575

■ 56, 61.014,
129.541

■ 57, 53.557,
129.774

■ 58, 45.322,
130.162

■ 58, 36.589,
130.626

■ 59, 27.565,
131.112

■ 60, 18.393,

131.589

■ 61, 9.178, 132.044

Harmonies

Complementary

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



55, 75.788, 130.624



25, 82.317, 314.549

Rectangle

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



55, 75.788, 130.624



55, 75.788, 180.624



55, 75.788, 310.624



55, 75.788, 0.624

Sweetspot

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



55, 75.646, 130.691



75, 34.238, 131.082



43, 55.959, 68.466



40, 23.513, 130.893



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, 75.646, 130.691



70, 92.419, 131.000



54, 79.123, 136.884



32, 5.257, 132.077



51, 71.789, 130.595



3, 5.690, 132.667

Inverse Universe

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



25, 82.317, 314.549



34, 100.394, 314.329



35, 73.108, 331.791



30, 5.313, 312.805



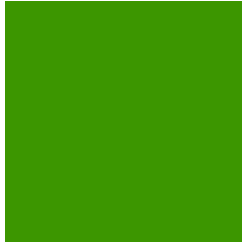
23, 78.163, 314.617



1, 5.668, 312.104

Previews

White Background



This preview shows how the CIELCh color 55, 75.788, 130.624 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, 75.788, 130.624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

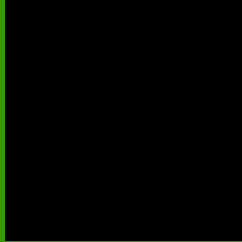
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 75.788, 130.624

Background



This preview shows how black text looks on a background with the CIELCh color 55, 75.788, 130.624.



This preview shows how white text looks on a background with the CIELCh color 55, 75.788, 130.624.

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, 75.499, 130.718

Protanopia
55, 59.713, 95.016

Deuteranopia
55, 53.374, 82.160



Tritanopia
55, 19.046, 217.359

Trichromacy



Original Color
55, 75.499, 130.718

Protanomaly
54, 62.395, 112.220

Deuteranomaly
54, 56.363, 106.633

Tritanomaly
54, 37.857, 149.862

Monochromacy



Original Color
55, 75.499, 130.718

Achromatopsia
45, 0.006, 296.813

Achromatomaly
48, 34.634, 130.466

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 75.788, 130.624 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(60, 150, 0)` looks like.

```
.text, #text, p{  
    color:rgb(60, 150, 0)  
}
```

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(60, 150, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 150, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 75.788, 130.624 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(60, 150, 0) }
```

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

```
.border{ border-color:rgb(60, 150, 0) }
```

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

Here you see how a box with a 4 pixel rgb(60, 150, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 150, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 150, 0);  
box-shadow:4px 4px 4px 4px rgb(60, 150, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 75.788, 130.624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 150, 0) }
```

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

```
.background{ background-color: rgb(60, 150,  
0) }
```

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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