

Converting Colors

CIELCh(55, 39.235, 142.678)

Have a look what the booklet for
CIELCh(55, 39.235, 142.678)
contains.

CIELCh(55, 39.426, 142.790)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(55, 39.426, 142.790)

Conversions

Conversions Part 1

Format	Color
Hex	569159
RGB	86, 145, 89
RGB Percent	34%, 57%, 35%
CMY	0.6630, 0.4316, 0.6512
CMYK	0.41, 0.00, 0.39, 0.43
HSL	123°, 26%, 45%
HSV	123°, 41%, 57%
XYZ	15.7505, 22.9298, 13.0354
YIQ	120.9750, -17.1880, -29.9240

Conversions

Conversions Part 2

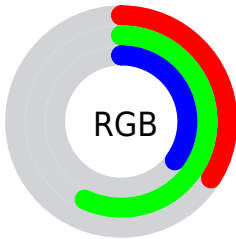
Format	Color
R_{YB}	86, 142, 145
Decimal	5673305
CIE _{Lab}	55.00, -31.40, 23.84
CIE _{LCh}	55, 39.426, 142.790
Yxy	22.9298, 0.3046, 0.4434
Android (android.graphics.Color)	4283863385 (0xFF569159)
YUV	120.9750, -15.7637, -30.6731
Hunter-Lab	47.8851, -25.0862, 17.3796

Details

The CIELCh color $55, 39.426, 142.790$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $45, 39.353, 328.032$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 39.144, 143.164$, and $35, 39.681, 142.797$ is the 20% darker color. If you saturate the color by 10%, you get $54, 48.505, 141.740$, and if you desaturate by 10%, it is $56, 29.915, 143.719$.

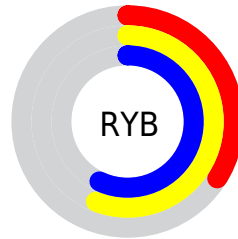
Distribution



Red (34%)

Green (57%)

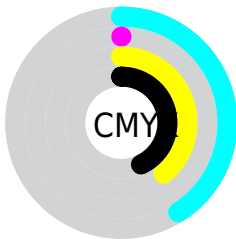
Blue (35%)



Red (34%)

Yellow (56%)

Blue (57%)

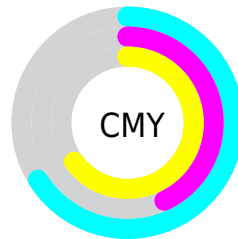


Cyan (41%)

Magenta (0%)

Yellow (39%)

Black (43%)



Cyan (66%)


Magenta (43%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 39.426, 142.790 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, 39.426, 142.790 by changing the saturation by 10% instead.


 55, 39.426,
142.790


 55, 39.426,
142.790


 100, 39.426,
142.790


 45, 39.426,
142.790


 75, 39.426,
142.790

 35, 39.426,
142.790

 85, 39.426,
142.790

 25, 39.426,
142.790

 95, 39.426,
142.790

 15, 39.426,
142.790

 5, 39.426, 142.790

 0, 39.426, 142.790

■ 55, 39.426,
142.790

■ 55, 39.426,
142.790

■ 54, 48.505,
141.740

■ 56, 29.915,
143.719

■ 53, 56.895,
140.585

■ 57, 20.180,
144.526

■ 53, 64.302,
139.376

■ 59, 10.390,
145.226

■ 53, 70.404,
138.199

■ 60, 0.673, 146.111

■ 62, 8.880, 326.274

■ 52, 74.893,
137.176

■ 63, 18.206,
326.716

■ 52, 77.588,
136.566

■ 65, 27.266,
327.088

■ 67, 36.040,
327.406

■ 69, 44.519,
327.679

Harmonies

Complementary

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



55, 39.426, 142.790



45, 39.353, 328.032

Rectangle

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



55, 39.426, 142.790



55, 39.426, 192.790



55, 39.426, 322.790



55, 39.426, 12.790

Sweetspot

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



55, 39.427, 142.790



74, 14.457, 145.124



59, 32.637, 108.650



39, 9.564, 145.049



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



55, 39.427, 142.790



69, 58.190, 141.815



56, 26.871, 162.441



29, 5.408, 145.326



49, 73.655, 136.612



2, 3.638, 145.835

Inverse Universe

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



45, 39.353, 328.032



55, 57.867, 328.502



44, 28.564, 350.617



28, 5.418, 326.308



31, 69.353, 330.308



1, 3.639, 325.831

Previews

White Background



This preview shows how the CIELCh color 55, 39.426, 142.790 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, 39.426, 142.790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

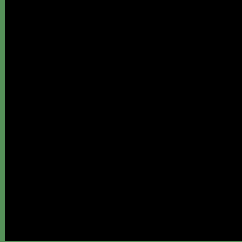
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 39.426, 142.790

Background



This preview shows how black text looks on a background with the CIELCh color 55, 39.426, 142.790.



This preview shows how white text looks on a background with the CIELCh color 55, 39.426, 142.790.

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, 39.426, 142.790

Protanopia
55, 27.707, 95.586

Deuteranopia
55, 23.210, 71.299



Tritanopia
55, 15.031, 223.259

Trichromacy



Original Color
55, 39.426, 142.790

Protanomaly
54, 29.315, 118.656

Deuteranomaly
54, 22.702, 108.455

Tritanomaly
55, 19.344, 172.890

Monochromacy



Original Color
55, 39.426, 142.790

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 15.128, 144.663

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 39.426, 142.790 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(86, 145, 89)` looks like.

```
.text, #text, p{  
    color:rgb(86, 145, 89)  
}
```

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(86, 145, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 145, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 39.426, 142.790 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(86, 145, 89) }
```

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

```
.border{ border-color:rgb(86, 145, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 145, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 145, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 145, 89);  
box-shadow:4px 4px 4px 4px rgb(86, 145,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 39.426, 142.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 145, 89) }
```

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

```
.background{ background-color: rgb(86, 145,  
89) }
```

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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