

Converting Colors

CIELCh(55, 56.868, 147.346)

Have a look what the booklet for
CIELCh(55, 56.868, 147.346)
contains.

CIELCh(55, 56.881, 147.377)	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, 56.881, 147.377)

Conversions

Conversions Part 1

Format	Color
Hex	25974C
RGB	37, 151, 76
RGB Percent	15%, 59%, 30%
CMY	0.8531, 0.4093, 0.7033
CMYK	0.75, 0.00, 0.50, 0.41
HSL	140°, 60%, 37%
HSV	140°, 75%, 59%
XYZ	13.0777, 22.9298, 10.5116
YIQ	108.3640, -43.8690, -47.4930

Conversions

Conversions Part 2

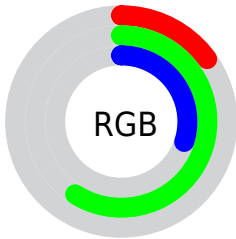
Format	Color
R_{YB}	37, 122, 151
Decimal	2463564
CIE _{Lab}	55.00, -47.91, 30.67
CIE _{LCh}	55, 56.881, 147.377
Yxy	22.9298, 0.2811, 0.4929
Android (android.graphics.Color)	4280653644 (0xFF25974C)
YUV	108.3640, -15.9555, -62.5862
Hunter-Lab	47.8851, -35.0497, 20.5044

Details

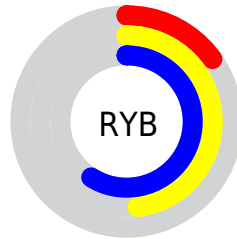
The CIELCh color $55, 56.881, 147.377$ is a dark color, and the websafe version is hex 339933 . A complement of this color would be $36, 55.676, 342.848$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $75, 56.909, 147.397$, and $36, 51.701, 142.222$ is the 20% darker color. If you saturate the color by 10%, you get $55, 62.347, 145.552$, and if you desaturate by 10%, it is $56, 50.655, 149.028$.

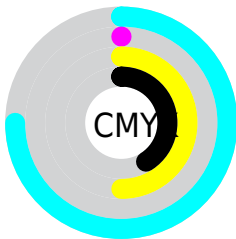
Distribution



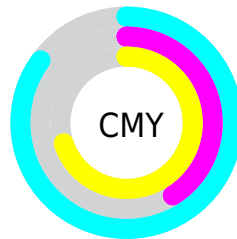
- Red (15%)
- Green (59%)
- Blue (30%)



- Red (15%)
- Yellow (48%)
- Blue (59%)



- Cyan (75%)
- Magenta (0%)
- Yellow (50%)
- Black (41%)





- Cyan (85%)
- Magenta (41%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 56.881, 147.377 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, 56.881, 147.377 by changing the saturation by 10% instead.


 55, 56.881,
147.377


 55, 56.881,
147.377


 100, 56.881,
147.377


 45, 56.881,
147.377


 75, 56.881,
147.377

 35, 56.881,
147.377

 85, 56.881,
147.377

 25, 56.881,
147.377

 95, 56.881,
147.377

 15, 56.881,
147.377

 5, 56.881, 147.377

 0, 56.881, 147.377

■ 55, 56.881,
147.377

■ 55, 56.881,
147.377

■ 55, 62.347,
145.552

■ 56, 50.655,
149.028

■ 54, 67.008,
143.600

■ 56, 43.769,
150.493

■ 54, 69.085,
142.711

■ 57, 36.352,
151.780

■ 58, 28.550,
152.905

■ 59, 20.503,
153.890

■ 60, 12.338,
154.758

■ 62, 4.162, 155.559

■ 63, 3.940, 336.087

■ 65, 11.904,
336.732

Harmonies

Complementary

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



55, 56.881, 147.377



36, 55.676, 342.848

Rectangle

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



55, 56.881, 147.377



55, 56.881, 197.377



55, 56.881, 327.377



55, 56.881, 17.377

Sweetspot

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



55, 56.881, 147.377



75, 23.299, 154.042



58, 59.843, 119.864



40, 16.245, 153.732



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, 56.881, 147.377



70, 79.752, 144.251



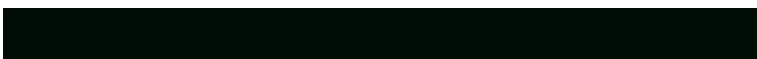
56, 35.356, 178.293



32, 4.658, 155.229



51, 65.369, 142.854



3, 5.046, 155.608

Inverse Universe

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



36, 55.676, 342.848



44, 73.315, 345.667



34, 50.515, 19.757



30, 4.686, 336.444



30, 58.080, 347.167



1, 4.986, 336.318

Previews

White Background



This preview shows how the CIELCh color 55, 56.881, 147.377 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, 56.881, 147.377 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, 56.881, 147.377

Background



This preview shows how black text looks on a background with the CIELCh color 55, 56.881, 147.377.



This preview shows how white text looks on a background with the CIELCh color 55, 56.881, 147.377.

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, 56.997, 147.486

Protanopia
55, 35.209, 96.090

Deuteranopia
55, 29.100, 75.941



Tritanopia
55, 23.768, 214.429

Trichromacy



Original Color
55, 56.997, 147.486



Protanomaly
54, 39.885, 126.616



Deuteranomaly
53, 31.630, 122.381



Tritanomaly
55, 31.328, 175.930

Monochromacy



Original Color
55, 56.997, 147.486



Achromatopsia
46, 0.006, 296.813



Achromatomaly
48, 22.913, 153.317

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 56.881, 147.377 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(37, 151, 76)` looks like.

```
.text, #text, p{  
    color:rgb(37, 151, 76)  
}
```

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(37, 151, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 151, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 56.881, 147.377 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(37, 151, 76) }
```

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

```
.border{ border-color:rgb(37, 151, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 151, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 151, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 151, 76);  
box-shadow:4px 4px 4px 4px rgb(37, 151,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 56.881, 147.377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 151, 76) }
```

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

```
.background{ background-color: rgb(37, 151,  
76) }
```

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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