

Converting Colors

CIELCh(53, 57.461, 144.215)

Have a look what the booklet for
CIELCh(53, 57.461, 144.215)
contains.

CIELCh(53, 57.671, 144.092)	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(53, 57.671, 144.092)

Conversions

Conversions Part 1

Format	Color
Hex	2A9141
RGB	42, 145, 65
RGB Percent	16%, 57%, 25%
CMY	0.8365, 0.4323, 0.7459
CMYK	0.71, 0.00, 0.55, 0.43
HSL	133°, 55%, 37%
HSV	133°, 71%, 57%
XYZ	11.9813, 21.0462, 8.4005
YIQ	105.0830, -35.7080, -46.7160

Conversions

Conversions Part 2

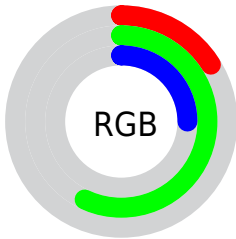
Format	Color
R _Y B	42, 126, 145
Decimal	2789697
CIE Lab	53.00, -46.71, 33.82
CIE LCh	53, 57.671, 144.092
Yxy	21.0462, 0.2892, 0.5080
Android (android.graphics.Color)	4280979777 (0xFF2A9141)
YUV	105.0830, -19.7609, -55.3238
Hunter-Lab	45.8761, -33.6649, 21.2565

Details

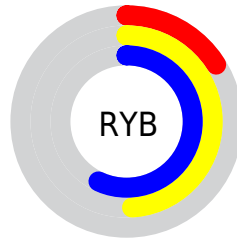
The CIELCh color **53, 57.671, 144.092** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **36, 56.129, 336.431**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 57.675, 144.097**, and **34, 53.153, 139.144** is the 20% darker color. If you saturate the color by 10%, you get **53, 63.683, 142.490**, and if you desaturate by 10%, it is **54, 50.811, 145.563**.

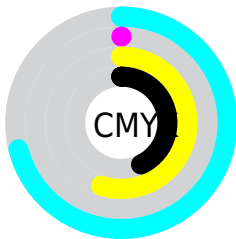
Distribution



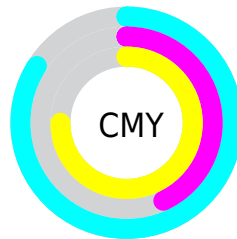
- Red (16%)
- Green (57%)
- Blue (25%)



- Red (16%)
- Yellow (49%)
- Blue (57%)



- Cyan (71%)
- Magenta (0%)
- Yellow (55%)
- Black (43%)





- Cyan (84%)
- Magenta (43%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 57.671, 144.092 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 53, 57.671, 144.092 by changing the saturation by 10% instead.


 53, 57.671,
144.092


 53, 57.671,
144.092


 100, 57.671,
144.092


 43, 57.671,
144.092


 73, 57.671,
144.092

 33, 57.671,
144.092

 83, 57.671,
144.092

 23, 57.671,
144.092

 93, 57.671,
144.092

 13, 57.671,
144.092

 3, 57.671, 144.092

 0, 57.671, 144.092

■ 53, 57.671,
144.092

■ 53, 57.671,
144.092

■ 53, 63.683,
142.490

■ 54, 50.811,
145.563

■ 52, 68.706,
140.813

■ 54, 43.265,
146.877

■ 52, 72.346,
139.457

■ 55, 35.210,
148.033

■ 56, 26.815,
149.040

■ 57, 18.234,
149.915

■ 58, 9.599, 150.681

■ 60, 1.012, 151.556

■ 61, 7.447, 331.848

■ 63, 15.722,
332.367

Harmonies

Complementary

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



53, 57.671, 144.092



36, 56.129, 336.431

Rectangle

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



53, 57.671, 144.092



53, 57.671, 194.092



53, 57.671, 324.092



53, 57.671, 14.092

Sweetspot

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



53, 57.671, 144.092



73, 22.427, 149.894



57, 54.388, 114.658



38, 15.133, 149.692



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



53, 57.671, 144.092



67, 80.994, 141.557



54, 37.093, 168.914



30, 4.781, 150.827



49, 68.625, 139.576



2, 3.219, 151.386

Inverse Universe

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



36, 56.129, 336.431



44, 75.364, 337.910



34, 45.786, 9.021



28, 4.798, 331.916



30, 60.914, 339.297



1, 3.220, 331.380

Previews

White Background



This preview shows how the CIELCh color 53, 57.671, 144.092 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 53, 57.671, 144.092 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 53, 57.671, 144.092

Background



This preview shows how black text looks on a background with the CIELCh color 53, 57.671, 144.092.



This preview shows how white text looks on a background with the CIELCh color 53, 57.671, 144.092.

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
53, 57.671, 144.092

Protanopia
53, 37.920, 96.164

Deuteranopia
53, 32.313, 78.138



Tritanopia
53, 22.124, 214.359

Trichromacy



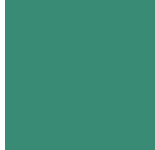
Original Color
53, 57.671, 144.092



Protanomaly
52, 41.866, 123.057



Deuteranomaly
51, 34.464, 117.849



Tritanomaly
53, 30.611, 171.744

Monochromacy



Original Color
53, 57.671, 144.092



Achromatopsia
44, 0.006, 296.813



Achromatomaly
47, 22.899, 148.833

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 57.671, 144.092 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, 145, 65)` looks like.

```
.text, #text, p{  
    color:rgb(42, 145, 65)  
}
```

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, 145, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 145, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 57.671, 144.092 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, 145, 65) }
```

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

```
.border{ border-color:rgb(42, 145, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 145, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 145, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 145, 65);  
box-shadow:4px 4px 4px 4px rgb(42, 145,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 57.671, 144.092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 145, 65) }
```

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

```
.background{ background-color: rgb(42, 145,  
65) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor