

Converting Colors

CIELCh(60, 53.653, 145.352)

Have a look what the booklet for
CIELCh(60, 53.653, 145.352)
contains.

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Color

CIELCh(60, 53.933, 145.250)

Conversions

Conversions Part 1

Format	Color
Hex	45A358
RGB	69, 163, 88
RGB Percent	27%, 64%, 35%
CMY	0.7298, 0.3612, 0.6552
CMYK	0.58, 0.00, 0.46, 0.36
HSL	132°, 41%, 45%
HSV	132°, 58%, 64%
XYZ	17.2839, 28.1233, 13.7303
YIQ	126.3440, -31.9490, -43.2530

Conversions

Conversions Part 2

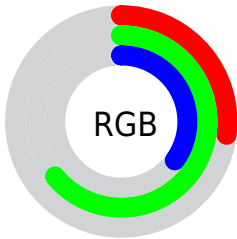
Format	Color
R_{YB}	69, 147, 163
Decimal	4563800
CIE _{Lab}	60.00, -44.31, 30.74
CIE _{LCh}	60, 53.933, 145.250
Yxy	28.1233, 0.2923, 0.4756
Android (android.graphics.Color)	4282753880 (0xFF45A358)
YUV	126.3440, -18.9036, -50.2907
Hunter-Lab	53.0314, -34.6288, 21.7713

Details

The CIELCh color **60, 53.933, 145.250** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **44, 53.491, 334.448**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 54.158, 145.262**, and **40, 53.070, 144.369** is the 20% darker color. If you saturate the color by 10%, you get **59, 61.830, 143.830**, and if you desaturate by 10%, it is **61, 45.306, 146.515**.

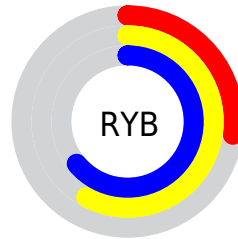
Distribution



Red (27%)

Green (64%)

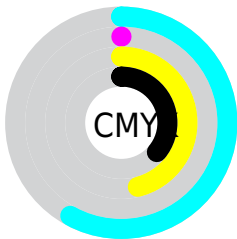
Blue (35%)



Red (27%)

Yellow (58%)

Blue (64%)

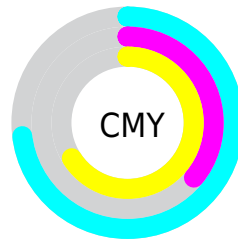


Cyan (58%)

Magenta (0%)

Yellow (46%)

Black (36%)



Cyan (73%)


Magenta (36%)


Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 53.933, 145.250 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 60, 53.933, 145.250 by changing the saturation by 10% instead.


 60, 53.933,
145.250


 60, 53.933,
145.250


 100, 53.933,
145.250


 50, 53.933,
145.250


 80, 53.933,
145.250

 40, 53.933,
145.250

 90, 53.933,
145.250

 30, 53.933,
145.250

 20, 53.933,
145.250

 10, 53.933,
145.250


 0, 53.933, 145.250


 60, 53.933,


 60, 53.933,

145.250


145.250


 59, 61.830,
143.830


 61, 45.306,
146.515


 59, 68.792,
142.279


 62, 36.154,
147.624

 59, 74.633,
140.652

 63, 26.674,
148.586


 58, 79.244,
139.077


 64, 17.035,
149.421


 58, 80.162,
138.775

 66, 7.378, 150.158

 67, 2.186, 330.621

 69, 11.578,
331.260

 71, 20.743,
331.742

 73, 29.645,
332.161

Harmonies

Complementary

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



60, 53.933, 145.250



44, 53.491, 334.448

Rectangle

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



60, 53.933, 145.250



60, 53.933, 195.250



60, 53.933, 325.250



60, 53.933, 15.250

Sweetspot

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



60, 53.934, 145.250



82, 20.235, 149.452



64, 50.172, 114.323



43, 13.650, 149.304



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



60, 53.934, 145.250



75, 77.415, 143.442



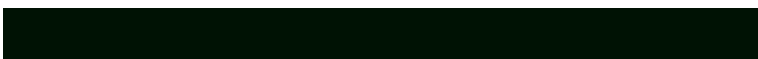
61, 35.357, 169.617



34, 5.428, 150.047



52, 73.441, 138.943



4, 8.539, 149.953

Inverse Universe

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



44, 53.491, 334.448



53, 75.285, 335.415



43, 41.804, 4.174



32, 5.446, 331.144



33, 65.171, 338.065



1, 8.136, 332.361

Previews

White Background



This preview shows how the CIELCh color 60, 53.933, 145.250 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 60, 53.933, 145.250 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 60, 53.933, 145.250

Background



This preview shows how black text looks on a background with the CIELCh color 60, 53.933, 145.250.



This preview shows how white text looks on a background with the CIELCh color 60, 53.933, 145.250.

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
60, 53.933, 145.250

Protanopia
60, 35.365, 95.899

Deuteranopia
60, 29.341, 74.170



Tritanopia
60, 21.650, 216.113

Trichromacy



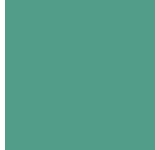
Original Color
60, 53.933, 145.250



Protanomaly
59, 38.260, 122.276



Deuteranomaly
58, 30.327, 115.695



Tritanomaly
60, 28.227, 174.416

Monochromacy



Original Color
60, 53.933, 145.250



Achromatopsia
53, 0.007, 296.813



Achromatomaly
55, 20.634, 149.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 53.933, 145.250 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(69, 163, 88)` looks like.

```
.text, #text, p{  
    color:rgb(69, 163, 88)  
}
```

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(69, 163, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 163, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 53.933, 145.250 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(69, 163, 88) }
```

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

```
.border{ border-color:rgb(69, 163, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 163, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 163, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 163, 88);  
box-shadow:4px 4px 4px 4px rgb(69, 163,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 53.933, 145.250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 163, 88) }
```

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

```
.background{ background-color: rgb(69, 163,  
88) }
```

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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