

Converting Colors

CIELCh(54, 41.223, 160.826)

Have a look what the booklet for
CIELCh(54, 41.223, 160.826)
contains.

CIELCh(54, 41.628, 160.305)	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(54, 41.628, 160.305)

Conversions

Conversions Part 1

Format	Color
Hex	2D9268
RGB	45, 146, 104
RGB Percent	18%, 57%, 41%
CMY	0.8254, 0.4290, 0.5936
CMYK	0.69, 0.00, 0.29, 0.43
HSL	155°, 53%, 37%
HSV	155°, 69%, 57%
XYZ	13.7585, 21.9746, 16.5151
YIQ	111.0130, -46.7140, -34.4740

Conversions

Conversions Part 2

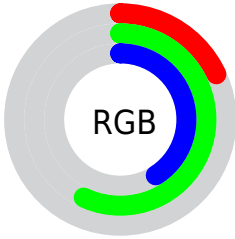
Format	Color
R_{YB}	45, 109, 146
Decimal	2986600
CIE _{Lab}	54.00, -39.19, 14.03
CIE _{LCh}	54, 41.628, 160.305
Yxy	21.9746, 0.2633, 0.4206
Android (android.graphics.Color)	4281176680 (0xFF2D9268)
YUV	111.0130, -3.4574, -57.8934
Hunter-Lab	46.8770, -29.6446, 11.9257

Details

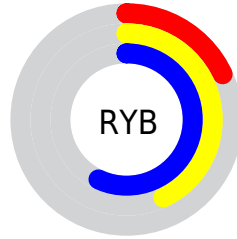
The CIELCh color **54, 41.628, 160.305** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **35, 45.939, 358.268**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **74, 41.820, 159.996**, and **35, 37.041, 156.830** is the 20% darker color. If you saturate the color by 10%, you get **54, 45.926, 158.512**, and if you desaturate by 10%, it is **55, 36.735, 161.903**.

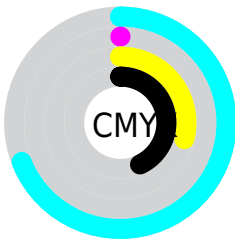
Distribution



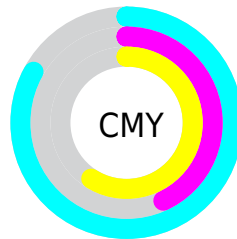
- Red (18%)
- Green (57%)
- Blue (41%)



- Red (18%)
- Yellow (43%)
- Blue (57%)



- Cyan (69%)
- Magenta (0%)
- Yellow (29%)
- Black (43%)




- Cyan (83%)
- Magenta (43%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 41.628, 160.305 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 54, 41.628, 160.305 by changing the saturation by 10% instead.


 54, 41.628,
160.305


 54, 41.628,
160.305


 100, 41.628,
160.305


 44, 41.628,
160.305


 74, 41.628,
160.305

 34, 41.628,
160.305

 84, 41.628,
160.305

 24, 41.628,
160.305

 94, 41.628,
160.305

 14, 41.628,
160.305

 4, 41.628, 160.305

 0, 41.628, 160.305

■ 54, 41.628,
160.305

■ 54, 41.628,
160.305

■ 54, 45.926,
158.512

■ 55, 36.735,
161.903

■ 53, 49.606,
156.518

■ 55, 31.310,
163.325

■ 53, 52.819,
154.424

■ 56, 25.445,
164.595

■ 53, 53.000,
154.311

■ 57, 19.243,
165.735

■ 58, 12.809,
166.770

■ 59, 6.240, 167.733

■ 60, 0.382, 347.630

■ 62, 6.989, 349.278

■ 63, 13.528,
350.041

Harmonies

Complementary

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



54, 41.628, 160.305



35, 45.939, 358.268

Rectangle

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



54, 41.628, 160.305



54, 41.628, 210.305



54, 41.628, 340.305



54, 41.628, 30.305

Sweetspot

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



54, 41.628, 160.304



73, 17.082, 166.571



55, 58.779, 129.074



38, 11.504, 166.323



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



54, 41.628, 160.304



68, 58.041, 157.486



52, 26.779, 207.589



31, 3.786, 167.753



50, 50.769, 154.437



2, 3.323, 168.497

Inverse Universe

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



35, 45.939, 358.268



42, 63.101, 2.888



36, 46.454, 33.828



29, 3.851, 349.237



29, 53.439, 8.855



1, 3.323, 348.486

Previews

White Background



This preview shows how the CIELCh color 54, 41.628, 160.305 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 CIE LCh color 54, 41.628, 160.305 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 54, 41.628, 160.305

Background



This preview shows how black text looks on a background with the CIELCh color 54, 41.628, 160.305.



This preview shows how white text looks on a background with the CIELCh color 54, 41.628, 160.305.

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
54, 41.628, 160.305

Protanopia
54, 18.736, 95.770

Deuteranopia
54, 13.484, 56.647



Tritanopia
54, 23.890, 212.879

Trichromacy



Original Color
54, 41.628, 160.305



Protanomaly
53, 23.829, 139.875



Deuteranomaly
53, 16.331, 140.074

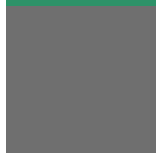


Tritanomaly
54, 27.635, 187.067

Monochromacy



Original Color
54, 41.628, 160.305



Achromatopsia
47, 0.006, 296.813



Achromatomaly
49, 17.334, 164.731

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 41.628, 160.305 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(45, 146, 104)` looks like.

```
.text, #text, p{  
    color:rgb(45, 146, 104)  
}
```

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(45, 146, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 146, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 41.628, 160.305 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(45, 146, 104) }
```

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

```
.border{ border-color:rgb(45, 146, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 146, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 146, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 146, 104);  
box-shadow:4px 4px 4px 4px rgb(45, 146,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 41.628, 160.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 146, 104) }
```

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

```
.background{ background-color: rgb(45, 146,  
104) }
```

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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