

Converting Colors

CIELCh(52, 36.189, 160.299)

Have a look what the booklet for
CIELCh(52, 36.189, 160.299)
contains.

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Color

CIELCh(52, 36.530, 160.132)

Conversions

Conversions Part 1

Format	Color
Hex	388B66
RGB	56, 139, 102
RGB Percent	22%, 55%, 40%
CMY	0.7819, 0.4563, 0.6013
CMYK	0.60, 0.00, 0.27, 0.46
HSL	153°, 43%, 38%
HSV	153°, 60%, 54%
XYZ	13.1722, 20.1443, 15.6777
YIQ	109.9650, -37.5910, -29.1030

Conversions

Conversions Part 2

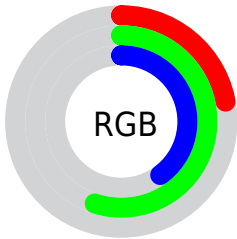
Format	Color
R_{YB}	56, 109, 139
Decimal	3705702
CIE _{Lab}	52.00, -34.36, 12.41
CIE _{LCh}	52, 36.530, 160.132
Y _{xy}	20.1443, 0.2689, 0.4112
Android (android.graphics.Color)	4281895782 (0xFF388B66)
YUV	109.9650, -3.9267, -47.3273
Hunter-Lab	44.8824, -26.1577, 10.7073

Details

The CIELCh color **52, 36.530, 160.132** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **36, 39.569, 353.952**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 36.401, 160.053**, and **32, 34.518, 158.251** is the 20% darker color. If you saturate the color by 10%, you get **51, 41.416, 158.531**, and if you desaturate by 10%, it is **53, 31.139, 161.553**.

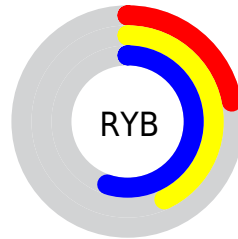
Distribution



Red (22%)

Green (55%)

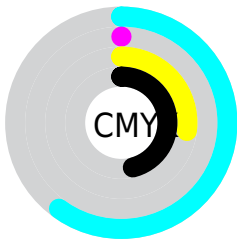
Blue (40%)



Red (22%)

Yellow (43%)

Blue (55%)

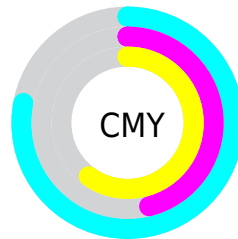


Cyan (60%)

Magenta (0%)

Yellow (27%)

Black (46%)



Cyan (78%)


Magenta (46%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 36.530, 160.132 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 52, 36.530, 160.132 by changing the saturation by 10% instead.


 52, 36.530,
160.132


 52, 36.530,
160.132


 100, 36.530,
160.132


 42, 36.530,
160.132


 72, 36.530,
160.132

 32, 36.530,
160.132

 82, 36.530,
160.132

 22, 36.530,
160.132

 92, 36.530,
160.132

 12, 36.530,
160.132

 2, 36.530, 160.132

 0, 36.530, 160.132

■ 52, 36.530,
160.132

■ 52, 36.530,
160.132

■ 51, 41.416,
158.531

■ 53, 31.139,
161.553

■ 51, 45.730,
156.735

■ 53, 25.330,
162.819

■ 51, 49.450,
154.739

■ 54, 19.207,
163.952

■ 51, 52.743,
152.672

■ 55, 12.872,
164.976

■ 51, 52.780,
152.650

■ 56, 6.416, 165.922

■ 58, 0.080, 342.644

■ 59, 6.551, 347.436

■ 61, 12.947,
348.178

■ 62, 19.231,
348.856

Harmonies

Complementary

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



52, 36.530, 160.132



36, 39.569, 353.952

Rectangle

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



52, 36.530, 160.132



52, 36.530, 210.132



52, 36.530, 340.132



52, 36.530, 30.132

Sweetspot

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



52, 36.531, 160.131



71, 14.497, 165.121



53, 49.344, 128.207



37, 10.140, 164.865



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



52, 36.531, 160.131



66, 52.412, 157.890



52, 24.457, 202.791



29, 3.642, 165.990



48, 50.998, 152.755



1, 1.695, 166.711

Inverse Universe

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



36, 39.569, 353.952



43, 56.560, 356.990



36, 38.383, 29.840



27, 3.698, 347.425



27, 51.957, 5.806



0, 1.695, 346.700

Previews

White Background



This preview shows how the CIELCh color 52, 36.530, 160.132 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 52, 36.530, 160.132 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 52, 36.530, 160.132

Background



This preview shows how black text looks on a background with the CIELCh color 52, 36.530, 160.132.



This preview shows how white text looks on a background with the CIELCh color 52, 36.530, 160.132.

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
52, 36.530, 160.132

Protanopia
52, 17.190, 94.763

Deuteranopia
52, 12.144, 58.197



Tritanopia
52, 20.960, 215.476

Trichromacy



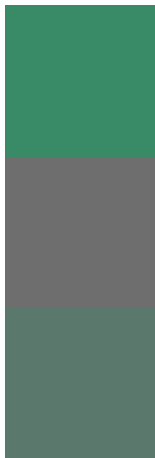
Original Color
52, 36.530, 160.132

Protanomaly
51, 21.224, 137.063

Deuteranomaly
51, 14.399, 135.836

Tritanomaly
52, 23.811, 188.546

Monochromacy



Original Color
52, 36.530, 160.132

Achromatopsia
46, 0.006, 296.813

Achromatomaly
48, 14.206, 165.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 36.530, 160.132 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(56, 139, 102)` looks like.

```
.text, #text, p{  
    color:rgb(56, 139, 102)  
}
```

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(56, 139, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 139, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 36.530, 160.132 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(56, 139, 102) }
```

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

```
.border{ border-color:rgb(56, 139, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 139, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 139, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 139, 102);  
box-shadow:4px 4px 4px 4px rgb(56, 139,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 36.530, 160.132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 139, 102) }
```

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

```
.background{ background-color: rgb(56, 139,  
102) }
```

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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