

Converting Colors

CIELCh(56, 41.236, 109.565)

Have a look what the booklet for
CIELCh(56, 41.236, 109.565)
contains.

CIELCh(56, 41.076, 109.037)	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(56, 41.076, 109.037)

Conversions

Conversions Part 1

Format	Color
Hex	858B40
RGB	133, 139, 64
RGB Percent	52%, 55%, 25%
CMY	0.4775, 0.4540, 0.7481
CMYK	0.04, 0.00, 0.54, 0.45
HSL	65°, 37%, 40%
HSV	65°, 54%, 55%
XYZ	19.9097, 23.9124, 8.4498
YIQ	128.6560, 20.4990, -24.5970

Conversions

Conversions Part 2

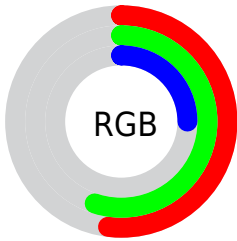
Format	Color
RYB	64, 139, 70
Decimal	8751936
CIELab	56.00, -13.40, 38.83
CIELCh	56, 41.076, 109.037
Yxy	23.9124, 0.3809, 0.4575
Android (android.graphics.Color)	4286942016 (0xFF858B40)
YUV	128.6560, -31.8754, 3.8097
Hunter-Lab	48.9003, -12.8997, 23.9851

Details

The CIELCh color $56, 41.076, 109.037$ is a dark color, and the websafe version is hex 999933 . A complement of this color would be $32, 47.443, 299.876$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 40.931, 108.641$, and $36, 41.004, 109.106$ is the 20% darker color. If you saturate the color by 10%, you get $56, 47.607, 108.408$, and if you desaturate by 10%, it is $56, 33.968, 109.768$.

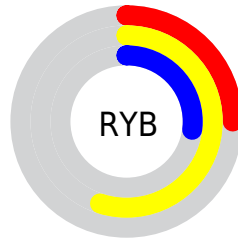
Distribution



Red (52%)

Green (55%)

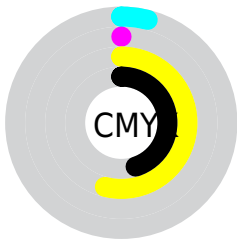
Blue (25%)



Red (25%)

Yellow (55%)

Blue (27%)

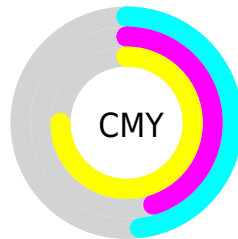


Cyan (4%)

Magenta (0%)

Yellow (54%)

Black (45%)



Cyan (48%)


Magenta (45%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 41.076, 109.037 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 56, 41.076, 109.037 by changing the saturation by 10% instead.


 56, 41.076,
109.037


 56, 41.076,
109.037


 100, 41.076,
109.037


 46, 41.076,
109.037


 76, 41.076,
109.037

 36, 41.076,
109.037

 86, 41.076,
109.037

 26, 41.076,
109.037

 96, 41.076,
109.037

 16, 41.076,
109.037

 6, 41.076, 109.037

 0, 41.076, 109.037

■ 56, 41.076,
109.037

■ 56, 41.076,
109.037

■ 56, 47.607,
108.408

■ 56, 33.968,
109.768

■ 56, 53.266,
107.923

■ 57, 26.491,
110.554

■ 55, 57.705,
107.641

■ 57, 18.790,
111.369

■ 55, 60.628,
107.612

■ 57, 10.960,
112.192

■ 55, 62.063,
107.648

■ 58, 3.062, 113.001

■ 58, 4.861, 293.813

■ 59, 12.781,
294.580

■ 59, 20.676,
295.318

■ 60, 28.532,
296.021

Harmonies

Complementary

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



56, 41.076, 109.037



32, 47.443, 299.876

Rectangle

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



56, 41.076, 109.037



56, 41.076, 159.037



56, 41.076, 289.037



56, 41.076, 339.037

Sweetspot

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



56, 41.077, 109.039



73, 15.648, 111.989



38, 33.643, 29.816



38, 10.642, 111.841



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



56, 41.077, 109.039



71, 59.592, 108.269



53, 45.203, 128.968



29, 4.420, 112.578



53, 59.901, 107.627



1, 2.061, 113.320

Inverse Universe

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



32, 47.443, 299.876



35, 72.227, 302.036



35, 48.183, 313.758



26, 4.513, 294.111



14, 81.878, 306.638



0, 2.061, 293.321

Previews

White Background



This preview shows how the CIELCh color 56, 41.076, 109.037 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 56, 41.076, 109.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

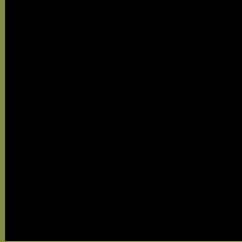
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 41.076, 109.037

Background



This preview shows how black text looks on a background with the CIELCh color 56, 41.076, 109.037.



This preview shows how white text looks on a background with the CIELCh color 56, 41.076, 109.037.

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](#).

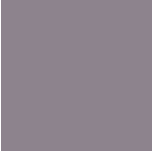
Dichromacy



Original Color
56, 41.076, 109.037

Protanopia
56, 39.839, 95.346

Deuteranopia
56, 38.744, 79.476



Tritanopia
56, 6.964, 324.789

Trichromacy



Original Color
56, 41.076, 109.037

Protanomaly
56, 40.233, 100.710

Deuteranomaly
56, 38.095, 90.859

Tritanomaly
56, 12.070, 100.755

Monochromacy



Original Color
56, 41.076, 109.037

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 15.973, 111.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 41.076, 109.037 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(133, 139, 64)` looks like.

```
.text, #text, p{  
    color:rgb(133, 139, 64)  
}
```

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(133, 139, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 139, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 41.076, 109.037 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(133, 139, 64) }
```

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

```
.border{ border-color:rgb(133, 139, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 139, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 139, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 139, 64);  
box-shadow:4px 4px 4px 4px rgb(133, 139,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 41.076, 109.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 139, 64) }
```

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

```
.background{ background-color: rgb(133,  
139, 64) }
```

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