

Converting Colors

CIELCh(55, 57.397, 85.580)

Have a look what the booklet for
CIELCh(55, 57.397, 85.580) contains.

CIELCh(55, 57.525, 85.736)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(55, 57.525, 85.736)

Conversions

Conversions Part 1

Format	Color
Hex	A37F11
RGB	163, 127, 17
RGB Percent	64%, 50%, 7%
CMY	0.3617, 0.5027, 0.9345
CMYK	0.00, 0.22, 0.90, 0.36
HSL	45°, 81%, 35%
HSV	45°, 90%, 64%
XYZ	22.7207, 22.9298, 3.7460
YIQ	125.2240, 56.7660, -26.5780

Conversions

Conversions Part 2

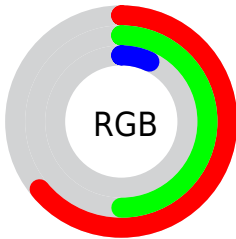
Format	Color
RYB	65, 163, 17
Decimal	10714897
CIELab	55.00, 4.28, 57.37
CIELCh	55, 57.525, 85.736
Yxy	22.9298, 0.4600, 0.4642
Android (android.graphics.Color)	4288904977 (0xFFA37F11)
YUV	125.2240, -53.3544, 33.1296
Hunter-Lab	47.8851, 0.8965, 28.8813

Details

The CIELCh color **55, 57.525, 85.736** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **27, 70.119, 297.484**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 57.422, 85.421**, and **35, 44.143, 82.700** is the 20% darker color. If you saturate the color by 10%, you get **54, 59.974, 84.013**, and if you desaturate by 10%, it is **56, 53.570, 87.306**.

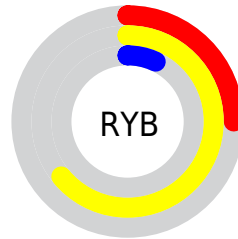
Distribution



Red (64%)

Green (50%)

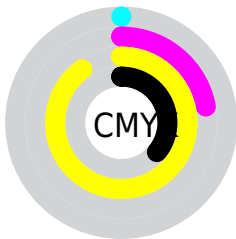
Blue (7%)



Red (25%)

Yellow (64%)

Blue (7%)

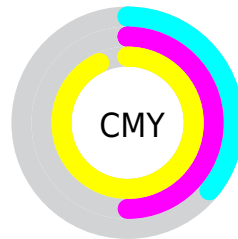


Cyan (0%)

Magenta (22%)

Yellow (90%)

Black (36%)



Cyan (36%)

Magenta (50%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 57.525, 85.736 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 55, 57.525, 85.736 by changing the saturation by 10% instead.

 55, 57.525, 85.736

 55, 57.525, 85.736

 100, 57.525,
85.736

 45, 57.525, 85.736

 75, 57.525, 85.736

 35, 57.525, 85.736

 85, 57.525, 85.736

 25, 57.525, 85.736

 95, 57.525, 85.736

 15, 57.525, 85.736

 5, 57.525, 85.736

 0, 57.525, 85.736

 55, 57.525, 85.736

 55, 57.525, 85.736

 54, 59.974, 84.013

 56, 53.570, 87.306

 54, 60.038, 83.970

 57, 48.155, 88.734

■ 59, 41.840, 90.088

■ 60, 35.038, 91.400

■ 61, 28.009, 92.683

■ 63, 20.906, 93.938

■ 64, 13.812, 95.160

■ 65, 6.774, 96.338

■ 67, 0.186, 278.365

Harmonies

Complementary

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



55, 57.525, 85.736



27, 70.119, 297.484

Rectangle

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



55, 57.525, 85.736



55, 57.525, 135.736



55, 57.525, 265.736



55, 57.525, 315.736

Sweetspot

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



55, 57.524, 85.739



80, 23.479, 94.215



35, 59.914, 19.671



42, 15.968, 93.815



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



55, 57.524, 85.739



69, 72.877, 83.556



62, 69.161, 116.551



34, 3.940, 96.393



48, 55.299, 84.178



4, 5.779, 93.726

Inverse Universe

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



27, 70.119, 297.484



32, 97.130, 301.028



23, 87.836, 307.578



32, 3.971, 278.629



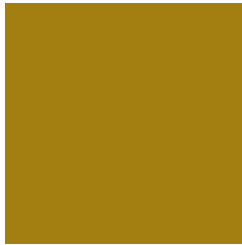
21, 71.580, 300.174



1, 6.278, 278.985

Previews

White Background



This preview shows how the CIE LCh color 55, 57.525, 85.736 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 55, 57.525, 85.736 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 55, 57.525, 85.736

Background



This preview shows how black text looks on a background with the CIELCh color 55, 57.525, 85.736.



This preview shows how white text looks on a background with the CIELCh color 55, 57.525, 85.736.

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

55, 57.525, 85.736

Protanopia

55, 56.685, 95.030

Deuteranopia

55, 57.707, 82.771



Tritanopia
55, 21.563, 8.330

Trichromacy



Original Color
55, 57.525, 85.736

Protanomaly
55, 56.646, 91.561

Deuteranomaly
55, 57.477, 84.227

Tritanomaly
55, 29.109, 61.878

Monochromacy



Original Color
55, 57.525, 85.736

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 23.631, 93.018

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 57.525, 85.736 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(163, 127, 17)` looks like.

```
.text, #text, p{  
    color:rgb(163, 127, 17)  
}
```

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(163, 127, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 127, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 57.525, 85.736 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(163, 127, 17) }
```

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

```
.border{ border-color:rgb(163, 127, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 127, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 127, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 127, 17);  
box-shadow:4px 4px 4px 4px rgb(163, 127,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 57.525, 85.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 127, 17) }
```

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

```
.background{ background-color: rgb(163,  
127, 17) }
```

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