

Converting Colors

CIELCh(43, 37.505, 117.395)

Have a look what the booklet for
CIELCh(43, 37.505, 117.395)
contains.

CIELCh(43, 37.249, 117.267)	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(43, 37.249, 117.267)

Conversions

Conversions Part 1

Format	Color
Hex	5B6C2C
RGB	91, 108, 44
RGB Percent	36%, 42%, 17%
CMY	0.6427, 0.5761, 0.8271
CMYK	0.16, 0.00, 0.59, 0.58
HSL	76°, 42%, 30%
HSV	76°, 59%, 42%
XYZ	10.1536, 13.1578, 4.3966
YIQ	95.6210, 10.4120, -23.5080

Conversions

Conversions Part 2

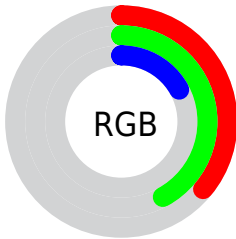
Format	Color
R_{YB}	44, 108, 61
Decimal	5991468
CIE _{Lab}	43.00, -17.07, 33.11
CIE _{LCh}	43, 37.249, 117.267
Yxy	13.1578, 0.3665, 0.4749
Android (android.graphics.Color)	4284181548 (0xFF5B6C2C)
YUV	95.6210, -25.4492, -4.0526
Hunter-Lab	36.2736, -13.5136, 18.2053

Details

The CIELCh color $43, 37.249, 117.267$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $23, 42.573, 305.214$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 37.031, 116.861$, and $23, 35.621, 118.413$ is the 20% darker color. If you saturate the color by 10%, you get $43, 42.524, 116.966$, and if you desaturate by 10%, it is $43, 31.459, 117.714$.

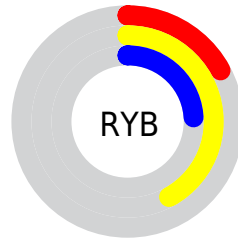
Distribution



Red (36%)

Green (42%)

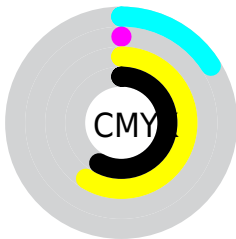
Blue (17%)



Red (17%)

Yellow (42%)

Blue (24%)

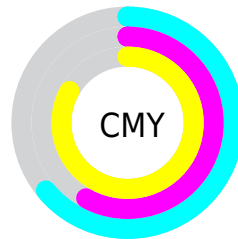


Cyan (16%)

Magenta (0%)

Yellow (59%)

Black (58%)



Cyan (64%)


Magenta (58%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 37.249, 117.267 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 43, 37.249, 117.267 by changing the saturation by 10% instead.


 43, 37.249,
117.267


 43, 37.249,
117.267


 100, 37.249,
117.267


 33, 37.249,
117.267

 63, 37.249,
117.267


 23, 37.249,
117.267

 73, 37.249,
117.267

 13, 37.249,
117.267

 83, 37.249,
117.267

 3, 37.249, 117.267

 93, 37.249,
117.267

 0, 37.249, 117.267

 43, 37.249,

 43, 37.249,

117.267

■ 43, 42.524,
116.966

■ 42, 47.043,
116.882

■ 42, 50.542,
117.107

■ 42, 53.367,
117.503

■ 42, 53.600,
117.527

117.267

■ 43, 31.459,
117.714

■ 44, 25.334,
118.242

■ 44, 18.999,
118.814

■ 45, 12.541,
119.400

■ 45, 6.020, 119.985

■ 46, 0.523, 300.503

■ 46, 7.060, 301.086

■ 47, 13.568,
301.602

■ 48, 20.033,

Harmonies

Complementary

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



43, 37.249, 117.267



23, 42.573, 305.214

Rectangle

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



43, 37.249, 117.267



43, 37.249, 167.267



43, 37.249, 297.267



43, 37.249, 347.267

Sweetspot

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



43, 37.250, 117.269



57, 14.552, 119.443



31, 27.089, 44.438



30, 10.185, 119.309



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



43, 37.250, 117.269



55, 53.409, 116.904



41, 42.350, 134.239



22, 3.645, 119.999



45, 56.843, 117.645



89, 98.232, 118.411

Inverse Universe

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



23, 42.573, 305.214



26, 63.617, 306.518



27, 43.598, 319.549



20, 3.710, 301.029



13, 73.238, 308.252



33, 126.865, 307.764

Previews

White Background



This preview shows how the CIELCh color 43, 37.249, 117.267 looks on a white 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

Black Background



This preview shows how the CIELCh color 43, 37.249, 117.267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

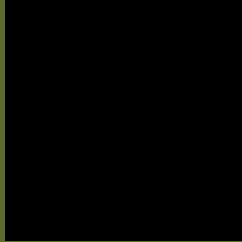
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 37.249, 117.267

Background



This preview shows how black text looks on a background with the CIELCh color 43, 37.249, 117.267.



This preview shows how white text looks on a background with the CIELCh color 43, 37.249, 117.267.

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


43, 37.249, 117.267

Protanopia

43, 34.934, 96.193

Deuteranopia

43, 32.547, 79.763



Tritanopia
43, 4.870, 281.452

Trichromacy



Original Color
43, 37.249, 117.267

Protanomaly
43, 34.912, 104.226

Deuteranomaly
42, 32.121, 94.060

Tritanomaly
43, 11.884, 125.434

Monochromacy



Original Color
43, 37.249, 117.267

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 14.057, 118.999

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 37.249, 117.267 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(91, 108, 44)` looks like.

```
.text, #text, p{  
    color:rgb(91, 108, 44)  
}
```

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(91, 108, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 108, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 37.249, 117.267 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(91, 108, 44) }
```

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

```
.border{ border-color:rgb(91, 108, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 108, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 108, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 108, 44);  
box-shadow:4px 4px 4px 4px rgb(91, 108,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 37.249, 117.267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 108, 44) }
```

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

```
.background{ background-color: rgb(91, 108,  
44) }
```

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