

Converting Colors

CIELCh(43, 37.120, 118.474)

Have a look what the booklet for
CIELCh(43, 37.120, 118.474)
contains.

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Color

CIELCh(43, 36.871, 118.168)

Conversions

Conversions Part 1

Format	Color
Hex	5A6C2D
RGB	90, 108, 45
RGB Percent	35%, 42%, 18%
CMY	0.6460, 0.5754, 0.8226
CMYK	0.17, 0.00, 0.58, 0.58
HSL	77°, 41%, 30%
HSV	77°, 58%, 42%
XYZ	10.1100, 13.1578, 4.5140
YIQ	95.4360, 9.4950, -23.4090

Conversions

Conversions Part 2

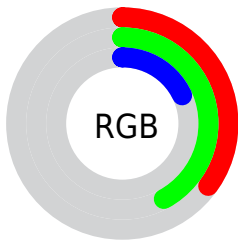
Format	Color
R_{YB}	45, 108, 63
Decimal	5925933
CIE _{Lab}	43.00, -17.41, 32.50
CIE _{LCh}	43, 36.871, 118.168
Yxy	13.1578, 0.3639, 0.4736
Android (android.graphics.Color)	4284116013 (0xFF5A6C2D)
YUV	95.4360, -24.8649, -4.7674
Hunter-Lab	36.2736, -13.7282, 18.0133

Details

The CIELCh color $43, 36.871, 118.168$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $24, 41.871, 305.665$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 36.612, 117.692$, and $23, 35.766, 119.161$ is the 20% darker color. If you saturate the color by 10%, you get $43, 42.244, 117.869$, and if you desaturate by 10%, it is $43, 31.005, 118.608$.

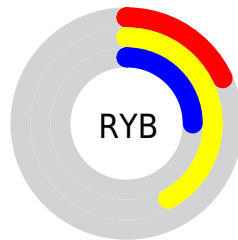
Distribution



Red (35%)

Green (42%)

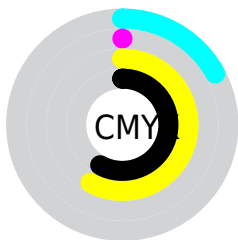
Blue (18%)



Red (18%)

Yellow (42%)

Blue (25%)

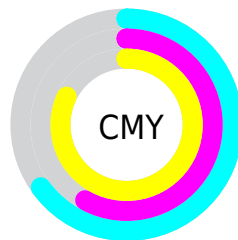


Cyan (17%)

Magenta (0%)

Yellow (58%)

Black (58%)



Cyan (65%)


Magenta (58%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 36.871, 118.168 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, 36.871, 118.168 by changing the saturation by 10% instead.


 43, 36.871,
118.168


 43, 36.871,
118.168


 100, 36.871,
118.168


 33, 36.871,
118.168

 63, 36.871,
118.168


 23, 36.871,
118.168

 73, 36.871,
118.168

 13, 36.871,
118.168

 83, 36.871,
118.168

 3, 36.871, 118.168

 93, 36.871,
118.168

 0, 36.871, 118.168

 43, 36.871,

 43, 36.871,

118.168

■ 43, 42.244,
117.869

■ 42, 46.890,
117.783

■ 42, 50.543,
118.003

■ 42, 53.414,
118.440

■ 42, 53.948,
118.501

118.168

■ 43, 31.005,
118.608

■ 44, 24.820,
119.125

■ 44, 18.437,
119.682

■ 45, 11.940,
120.251

■ 45, 5.387, 120.817

■ 46, 1.183, 301.334

■ 46, 7.742, 301.874

■ 47, 14.267,
302.367

■ 48, 20.745,

Harmonies

Complementary

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



43, 36.871, 118.168



24, 41.871, 305.665

Rectangle

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



43, 36.871, 118.168



43, 36.871, 168.168



43, 36.871, 298.168



43, 36.871, 348.168

Sweetspot

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



43, 36.872, 118.170



57, 13.788, 120.294



32, 26.171, 47.416



30, 9.292, 120.213



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, 36.872, 118.170



55, 53.048, 117.808



41, 42.165, 135.149



22, 3.655, 120.775



45, 57.155, 118.623



89, 98.822, 119.424

Inverse Universe

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



24, 41.871, 305.665



26, 62.664, 306.886



28, 43.131, 320.559



20, 3.719, 301.768



13, 72.995, 308.506



34, 126.465, 307.994

Previews

White Background



This preview shows how the CIELCh color 43, 36.871, 118.168 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, 36.871, 118.168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

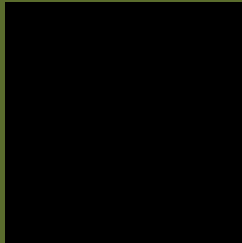
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 36.871, 118.168

Background



This preview shows how black text looks on a background with the CIELCh color 43, 36.871, 118.168.



This preview shows how white text looks on a background with the CIELCh color 43, 36.871, 118.168.

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, 36.871, 118.168

Protanopia

43, 34.431, 96.151

Deuteranopia

43, 31.754, 80.290



Tritanopia
43, 5.037, 272.511

Trichromacy



Original Color
43, 36.871, 118.168

Protanomaly
43, 34.406, 104.289

Deuteranomaly
43, 31.360, 95.759

Tritanomaly
43, 11.462, 128.341

Monochromacy



Original Color
43, 36.871, 118.168

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 13.474, 119.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 36.871, 118.168 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(90, 108, 45)` looks like.

```
.text, #text, p{  
    color:rgb(90, 108, 45)  
}
```

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(90, 108, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 108, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 36.871, 118.168 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(90, 108, 45) }
```

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

```
.border{ border-color:rgb(90, 108, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 108, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 108, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 108, 45);  
box-shadow:4px 4px 4px 4px rgb(90, 108,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 36.871, 118.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 108, 45) }
```

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

```
.background{ background-color: rgb(90, 108,  
45) }
```

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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