

Converting Colors

CIELCh(47, 51.236, 124.174)

Have a look what the booklet for
CIELCh(47, 51.236, 124.174)
contains.

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Color

CIELCh(47, 51.440, 124.295)

Conversions

Conversions Part 1

Format	Color
Hex	537B21
RGB	83, 123, 33
RGB Percent	33%, 48%, 13%
CMY	0.6758, 0.5189, 0.8719
CMYK	0.33, 0.00, 0.73, 0.52
HSL	87°, 58%, 30%
HSV	87°, 73%, 48%
XYZ	10.8524, 16.0195, 3.9350
YIQ	100.7800, 5.0500, -36.4700

Conversions

Conversions Part 2

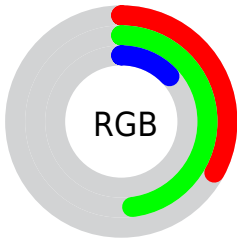
Format	Color
R_{YB}	33, 123, 73
Decimal	5471009
CIE _{Lab}	47.00, -28.98, 42.50
CIE _{LCh}	47, 51.440, 124.295
Yxy	16.0195, 0.3523, 0.5200
Android (android.graphics.Color)	4283661089 (0xFF537B21)
YUV	100.7800, -33.4155, -15.5931
Hunter-Lab	40.0243, -21.6430, 22.1880

Details

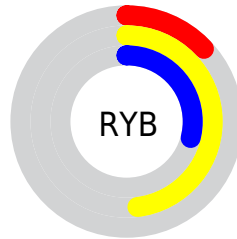
The CIELCh color $47, 51.440, 124.295$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $23, 58.286, 310.958$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 51.724, 124.108$, and $27, 44.763, 128.540$ is the 20% darker color. If you saturate the color by 10%, you get $47, 56.284, 124.494$, and if you desaturate by 10%, it is $47, 45.616, 124.397$.

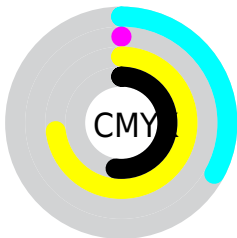
Distribution



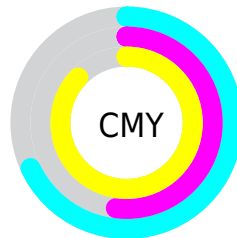
- Red (33%)
- Green (48%)
- Blue (13%)



- Red (13%)
- Yellow (48%)
- Blue (29%)



- Cyan (33%)
- Magenta (0%)
- Yellow (73%)
- Black (52%)





- Cyan (68%)
- Magenta (52%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 51.440, 124.295 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 47, 51.440, 124.295 by changing the saturation by 10% instead.


 47, 51.440,
124.295


 47, 51.440,
124.295


 100, 51.440,
124.295


 37, 51.440,
124.295

 67, 51.440,
124.295


 27, 51.440,
124.295

 77, 51.440,
124.295

 17, 51.440,
124.295

 87, 51.440,
124.295

 7, 51.440, 124.295

 97, 51.440,
124.295

 0, 51.440, 124.295

 47, 51.440,

 47, 51.440,

124.295

■ 47, 56.284,
124.494

■ 46, 59.887,
125.090

■ 46, 62.011,
125.504

124.295

■ 47, 45.616,
124.397

■ 48, 39.102,
124.691

■ 48, 32.138,
125.097

■ 49, 24.894,
125.558

■ 50, 17.490,
126.037

■ 50, 10.010,
126.512

■ 51, 2.513, 126.986

■ 52, 4.959, 307.370

■ 53, 12.377,
307.774

Harmonies

Complementary

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



47, 51.440, 124.295



23, 58.286, 310.958

Rectangle

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



47, 51.440, 124.295



47, 51.440, 174.295



47, 51.440, 304.295



47, 51.440, 354.295

Sweetspot

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



47, 51.440, 124.296



64, 20.534, 126.076



36, 36.735, 60.292



33, 13.899, 125.972



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



47, 51.440, 124.296



60, 71.630, 124.857



45, 58.719, 137.120



25, 4.207, 126.713



47, 62.848, 125.535



90, 106.610, 126.404

Inverse Universe

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



23, 58.286, 310.958



26, 83.391, 311.177



30, 58.184, 325.619



24, 4.268, 307.506



17, 74.157, 311.081



39, 125.595, 310.497

Previews

White Background



This preview shows how the CIELCh color 47, 51.440, 124.295 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 47, 51.440, 124.295 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 47, 51.440, 124.295

Background



This preview shows how black text looks on a background with the CIELCh color 47, 51.440, 124.295.



This preview shows how white text looks on a background with the CIELCh color 47, 51.440, 124.295.

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](#).

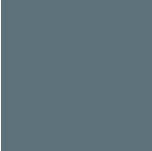
Dichromacy



Original Color
47, 51.440, 124.295

Protanopia
47, 44.616, 95.185

Deuteranopia
47, 41.593, 81.822



Tritanopia
47, 9.377, 238.152

Trichromacy



Original Color
47, 51.440, 124.295

Protanomaly
47, 45.347, 106.989

Deuteranomaly
47, 41.623, 99.717

Tritanomaly
47, 19.058, 144.000

Monochromacy



Original Color
47, 51.440, 124.295

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 19.909, 125.497

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 51.440, 124.295 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(83, 123, 33)` looks like.

```
.text, #text, p{  
    color:rgb(83, 123, 33)  
}
```

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(83, 123, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 123, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 51.440, 124.295 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(83, 123, 33) }
```

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

```
.border{ border-color:rgb(83, 123, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 123, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 123, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 123, 33);  
box-shadow:4px 4px 4px 4px rgb(83, 123,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 51.440, 124.295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 123, 33) }
```

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

```
.background{ background-color: rgb(83, 123,  
33) }
```

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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