

Converting Colors

CIELCh(47, 52.148, 106.019)

Have a look what the booklet for
CIELCh(47, 52.148, 106.019)
contains.

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Color

CIELCh(47, 52.320, 106.305)

Conversions

Conversions Part 1

Format	Color
Hex	6F750A
RGB	111, 117, 10
RGB Percent	44%, 46%, 4%
CMY	0.5662, 0.5425, 0.9592
CMYK	0.05, 0.00, 0.91, 0.54
HSL	63°, 84%, 25%
HSV	63°, 91%, 46%
XYZ	12.8864, 16.0195, 2.7116
YIQ	103.0080, 30.7710, -34.5490

Conversions

Conversions Part 2

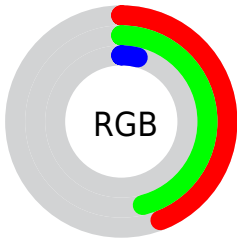
Format	Color
RYB	10, 117, 16
Decimal	7304458
CIELab	47.00, -14.69, 50.22
CIELCh	47, 52.320, 106.305
Yxy	16.0195, 0.4076, 0.5067
Android (android.graphics.Color)	4285494538 (0xFF6F750A)
YUV	103.0080, -45.8529, 7.0090
Hunter-Lab	40.0243, -12.5718, 24.0002

Details

The CIELCh color **47, 52.320, 106.305** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **13, 69.664, 305.366**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 52.493, 106.165**, and **27, 38.052, 110.027** is the 20% darker color. If you saturate the color by 10%, you get **47, 54.512, 106.211**, and if you desaturate by 10%, it is **47, 49.228, 106.518**.

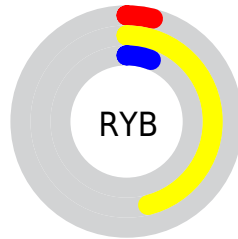
Distribution



Red (44%)

Green (46%)

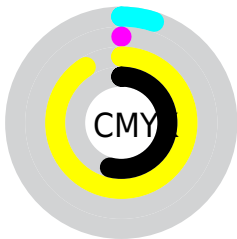
Blue (4%)



Red (4%)

Yellow (46%)

Blue (6%)

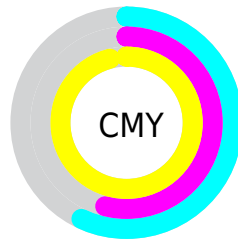


Cyan (5%)

Magenta (0%)

Yellow (91%)

Black (54%)



Cyan (57%)


Magenta (54%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 52.320, 106.305 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, 52.320, 106.305 by changing the saturation by 10% instead.


 47, 52.320,
106.305


 47, 52.320,
106.305


 100, 52.320,
106.305


 37, 52.320,
106.305

 67, 52.320,
106.305


 27, 52.320,
106.305

 77, 52.320,
106.305

 17, 52.320,
106.305

 87, 52.320,
106.305

 7, 52.320, 106.305

 97, 52.320,
106.305

 0, 52.320, 106.305

 47, 52.320,

 47, 52.320,

106.305

■ 47, 54.512,
106.211

106.305

■ 47, 49.228,
106.518

■ 47, 44.931,
106.939

■ 47, 39.716,
107.522

■ 48, 33.862,
108.220

■ 48, 27.589,
108.994

■ 48, 21.052,
109.811

■ 48, 14.354,
110.648

■ 49, 7.566, 111.487

Harmonies

Complementary

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



47, 52.320, 106.305



13, 69.664, 305.366

Rectangle

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



47, 52.320, 106.305



47, 52.320, 156.305



47, 52.320, 286.305



47, 52.320, 336.305

Sweetspot

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



47, 52.320, 106.307



61, 22.575, 110.096



24, 52.318, 37.130



32, 15.305, 109.876



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



47, 52.320, 106.307



60, 65.532, 106.293



44, 58.788, 128.493



25, 3.862, 111.657



49, 56.423, 106.228



94, 95.682, 106.413

Inverse Universe

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



13, 69.664, 305.366



17, 89.957, 306.502



19, 65.248, 313.738



22, 3.941, 293.209



12, 77.385, 306.560



32, 131.526, 306.406

Previews

White Background



This preview shows how the CIELCh color 47, 52.320, 106.305 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, 52.320, 106.305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

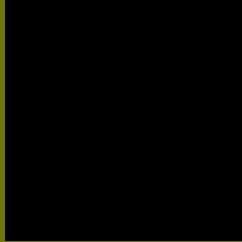
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 52.320, 106.305

Background



This preview shows how black text looks on a background with the CIELCh color 47, 52.320, 106.305.



This preview shows how white text looks on a background with the CIELCh color 47, 52.320, 106.305.

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, 52.525, 106.268

Protanopia

47, 51.569, 95.415

Deuteranopia

47, 48.975, 82.891



Tritanopia
47, 6.971, 330.410

Trichromacy



Original Color
47, 52.525, 106.268

Protanomaly
47, 51.647, 99.851

Deuteranomaly
47, 49.273, 91.854

Tritanomaly
46, 19.460, 100.806

Monochromacy



Original Color
47, 52.525, 106.268

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 22.872, 109.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 52.320, 106.305 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(111, 117, 10)` looks like.

```
.text, #text, p{  
    color:rgb(111, 117, 10)  
}
```

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(111, 117, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 117, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 52.320, 106.305 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(111, 117, 10) }
```

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

```
.border{ border-color:rgb(111, 117, 10) }
```

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

Here you see how a box with a 4 pixel rgb(111, 117, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 117, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 117, 10);  
box-shadow:4px 4px 4px 4px rgb(111, 117,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 52.320, 106.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 117, 10) }
```

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

```
.background{ background-color: rgb(111,  
117, 10) }
```

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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