

Converting Colors

CIELCh(47, 52.790, 106.774)

Have a look what the booklet for
CIELCh(47, 52.790, 106.774)
contains.

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Color

CIELCh(47, 52.760, 106.749)

Conversions

Conversions Part 1

Format	Color
Hex	6E7509
RGB	110, 117, 9
RGB Percent	43%, 46%, 4%
CMY	0.5691, 0.5417, 0.9655
CMYK	0.06, 0.00, 0.92, 0.54
HSL	64°, 86%, 25%
HSV	64°, 92%, 46%
XYZ	12.8090, 16.0195, 2.6692
YIQ	102.5950, 30.4960, -35.0720

Conversions

Conversions Part 2

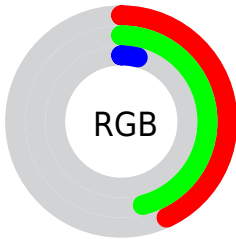
Format	Color
RYB	9, 117, 16
Decimal	7238921
CIELab	47.00, -15.20, 50.52
CIELCh	47, 52.760, 106.749
Yxy	16.0195, 0.4067, 0.5086
Android (android.graphics.Color)	4285429001 (0xFF6E7509)
YUV	102.5950, -46.1423, 6.4942
Hunter-Lab	40.0243, -12.9171, 24.0631

Details

The CIELCh color $47, 52.760, 106.749$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $13, 70.477, 305.586$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 52.947, 106.586$, and $27, 38.127, 110.794$ is the 20% darker color. If you saturate the color by 10%, you get $47, 54.623, 106.689$, and if you desaturate by 10%, it is $47, 49.838, 106.904$.

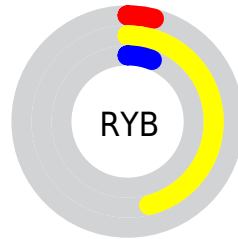
Distribution



Red (43%)

Green (46%)

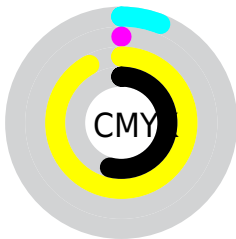
Blue (4%)



Red (4%)

Yellow (46%)

Blue (6%)

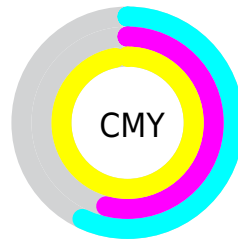


Cyan (6%)

Magenta (0%)

Yellow (92%)

Black (54%)



Cyan (57%)


Magenta (54%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 52.760, 106.749 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, 52.760, 106.749 by changing the saturation by 10% instead.

 47, 52.760,
106.749

 47, 52.760,
106.749

 100, 52.760,
106.749

 37, 52.760,
106.749

 67, 52.760,
106.749

 27, 52.760,
106.749

 77, 52.760,
106.749

 17, 52.760,
106.749

 87, 52.760,
106.749

 7, 52.760, 106.749

 97, 52.760,
106.749

 0, 52.760, 106.749

 47, 52.760,

 47, 52.760,

106.749

106.749

■ 47, 54.623,
106.689

■ 47, 49.838,
106.904

■ 47, 45.684,
107.278

■ 47, 40.569,
107.826

■ 48, 34.778,
108.497

■ 48, 28.541,
109.250

■ 48, 22.021,
110.052

■ 48, 15.328,
110.876

■ 49, 8.536, 111.705

Harmonies

Complementary

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



47, 52.760, 106.749



13, 70.477, 305.586

Rectangle

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



47, 52.760, 106.749



47, 52.760, 156.749



47, 52.760, 286.749



47, 52.760, 336.749

Sweetspot

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



47, 52.760, 106.751



62, 23.728, 110.360



24, 53.010, 37.347



32, 16.247, 110.076



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, 52.760, 106.751



60, 66.389, 106.787



44, 59.336, 128.584



24, 3.863, 111.988



49, 56.460, 106.707



94, 95.751, 106.918

Inverse Universe

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



13, 70.477, 305.586



17, 91.033, 306.528



19, 65.905, 313.692



22, 3.942, 293.517



12, 77.337, 306.600



32, 131.480, 306.427

Previews

White Background



This preview shows how the CIELCh color 47, 52.760, 106.749 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, 52.760, 106.749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

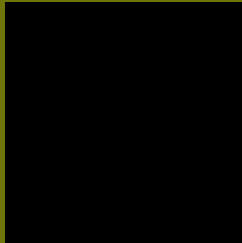
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 52.760, 106.749

Background



This preview shows how black text looks on a background with the CIELCh color 47, 52.760, 106.749.



This preview shows how white text looks on a background with the CIELCh color 47, 52.760, 106.749.

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

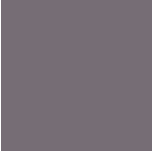
47, 52.760, 106.749

Protanopia

47, 52.209, 95.419

Deuteranopia

47, 49.288, 82.973



Tritanopia
47, 5.998, 328.000

Trichromacy



Original Color
47, 52.760, 106.749

Protanomaly
47, 52.276, 99.806

Deuteranomaly
47, 49.550, 91.877

Tritanomaly
47, 19.918, 103.514

Monochromacy



Original Color
47, 52.760, 106.749

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 22.904, 109.155

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 52.760, 106.749 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(110, 117, 9)` looks like.

```
.text, #text, p{  
    color:rgb(110, 117, 9)  
}
```

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(110, 117, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 117, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 52.760, 106.749 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(110, 117, 9) }
```

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

```
.border{ border-color:rgb(110, 117, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 117, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 117, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 117, 9);  
box-shadow:4px 4px 4px 4px rgb(110, 117,  
9) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 52.760, 106.749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 117, 9) }
```

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

```
.background{ background-color: rgb(110,  
117, 9) }
```

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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