

Converting Colors

CIELCh(47, 5.837, 162.178)

Have a look what the booklet for
CIELCh(47, 5.837, 162.178) contains.

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Color

CIELCh(47, 5.732, 160.590)

Conversions

Conversions Part 1

Format	Color
Hex	67726C
RGB	103, 114, 108
RGB Percent	40%, 45%, 42%
CMY	0.5958, 0.5527, 0.5762
CMYK	0.10, 0.00, 0.05, 0.55
HSL	147°, 5%, 43%
HSV	147°, 10%, 45%
XYZ	14.3346, 16.0195, 16.5408
YIQ	110.0270, -4.6300, -4.1980

Conversions

Conversions Part 2

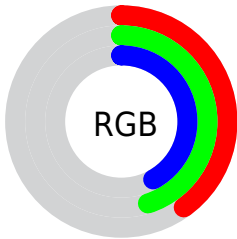
Format	Color
R _Y B	103, 111, 114
Decimal	6779500
CIE Lab	47.00, -5.41, 1.90
CIE LCh	47, 5.732, 160.590
Yxy	16.0195, 0.3057, 0.3416
Android (android.graphics.Color)	4284969580 (0xFF67726C)
YUV	110.0270, -0.9993, -6.1627
Hunter-Lab	40.0243, -6.1132, 3.5143

Details

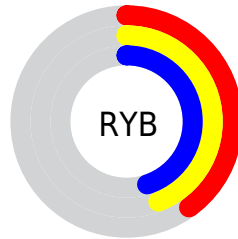
The CIELCh color **47, 5.732, 160.590** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 5.792, 341.963**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 6.001, 158.928**, and **27, 5.540, 162.549** is the 20% darker color. If you saturate the color by 10%, you get **46, 11.683, 159.720**, and if you desaturate by 10%, it is **48, 0.215, 340.098**.

Distribution



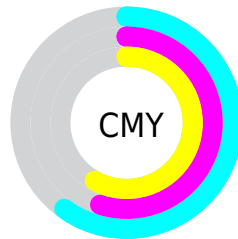
- Red (40%)
- Green (45%)
- Blue (42%)



- Red (40%)
- Yellow (44%)
- Blue (45%)



- Cyan (10%)
- Magenta (0%)
- Yellow (5%)
- Black (55%)



- Cyan (60%)
- Magenta (55%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 5.732, 160.590 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, 5.732, 160.590 by changing the saturation by 10% instead.

■ 47, 5.732, 160.590

■ 47, 5.732, 160.590

■ 100, 5.732,
160.590

■ 37, 5.732, 160.590

■ 67, 5.732, 160.590

■ 27, 5.732, 160.590

■ 77, 5.732, 160.590

■ 17, 5.732, 160.590

■ 87, 5.732, 160.590

■ 7, 5.732, 160.590

■ 97, 5.732, 160.590

■ 0, 5.732, 160.590

■ 47, 5.732, 160.590

■ 47, 5.732, 160.590

■ 46, 11.683,
159.720

■ 48, 0.215, 340.098

■ 45, 17.568,

■ 49, 6.108, 341.950

158.770

51, 11.907,
342.602

44, 23.309,
157.708

52, 17.582,
343.190

44, 28.816,
156.510

53, 23.116,
343.732

43, 33.997,
155.155

55, 28.496,
344.236

43, 38.763,
153.625

56, 33.718,
344.706

42, 43.045,
151.906

58, 38.782,
345.148

42, 46.804,
150.000

60, 43.688,
345.565

42, 50.207,
148.096

Harmonies

Complementary

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



47, 5.732, 160.590



45, 5.792, 341.963

Rectangle

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



47, 5.732, 160.590



47, 5.732, 210.590



47, 5.732, 340.590



47, 5.732, 30.590

Sweetspot

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



47, 5.733, 160.586



61, 2.198, 161.191



47, 6.809, 126.890



31, 1.657, 161.112



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



47, 5.733, 160.586



60, 8.830, 160.361



47, 4.385, 194.720



23, 3.297, 160.642



44, 52.281, 147.902



86, 91.929, 146.527

Inverse Universe

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



45, 5.792, 341.963



56, 8.939, 342.185



45, 4.621, 15.858



22, 3.329, 341.908



25, 49.263, 356.224



54, 83.487, 358.505

Previews

White Background



This preview shows how the CIELCh color 47, 5.732, 160.590 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 CIE LCh color 47, 5.732, 160.590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

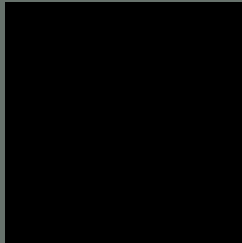
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

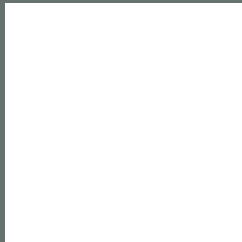
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 5.732, 160.590

Background



This preview shows how black text looks on a background with the CIELCh color 47, 5.732, 160.590.



This preview shows how white text looks on a background with the CIELCh color 47, 5.732, 160.590.

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, 5.732, 160.590

Protanopia

47, 3.191, 86.759

Deuteranopia

47, 6.280, 14.749



Tritanopia
47, 5.924, 263.639

Trichromacy



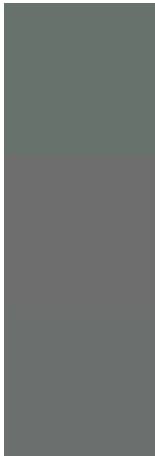
Original Color
47, 5.732, 160.590

Protanomaly
47, 3.068, 125.315

Deuteranomaly
47, 2.541, 32.964

Tritanomaly
47, 3.933, 226.024

Monochromacy



Original Color
47, 5.732, 160.590

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 2.022, 163.504

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 5.732, 160.590 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(103, 114, 108)` looks like.

```
.text, #text, p{  
    color:rgb(103, 114, 108)  
}
```

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(103, 114, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 114, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 5.732, 160.590 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(103, 114, 108) }
```

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

```
.border{ border-color:rgb(103, 114, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 114, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 114, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 114, 108);  
box-shadow:4px 4px 4px 4px rgb(103, 114,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 5.732, 160.590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 114, 108) }
```

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

```
.background{ background-color: rgb(103,  
114, 108) }
```

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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