

Converting Colors

CIELCh(47, 12.036, 236.395)

Have a look what the booklet for
CIELCh(47, 12.036, 236.395)
contains.

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Color

CIELCh(47, 12.193, 237.990)

Conversions

Conversions Part 1

Format	Color
Hex	587380
RGB	88, 115, 128
RGB Percent	35%, 45%, 50%
CMY	0.6533, 0.5474, 0.4964
CMYK	0.31, 0.10, 0.00, 0.50
HSL	200°, 18%, 43%
HSV	200°, 31%, 50%
XYZ	14.1645, 16.0195, 22.9124
YIQ	108.4090, -20.2650, -1.6810

Conversions

Conversions Part 2

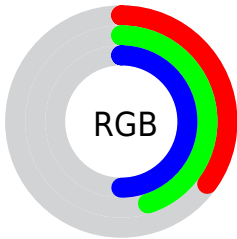
Format	Color
R _Y B	88, 104, 128
Decimal	5796736
CIE Lab	47.00, -6.46, -10.34
CIE LCh	47, 12.193, 237.990
Yxy	16.0195, 0.2668, 0.3017
Android (android.graphics.Color)	4283986816 (0xFF587380)
YUV	108.4090, 9.6584, -17.8987
Hunter-Lab	40.0243, -6.8718, -5.9243

Details

The CIELCh color **47, 12.193, 237.990** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 14.463, 52.538**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 12.256, 238.124**, and **27, 12.289, 238.085** is the 20% darker color. If you saturate the color by 10%, you get **45, 15.657, 239.604**, and if you desaturate by 10%, it is **49, 8.482, 236.692**.

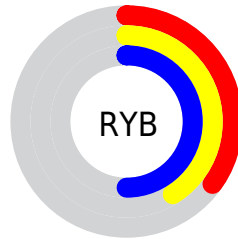
Distribution



Red (35%)

Green (45%)

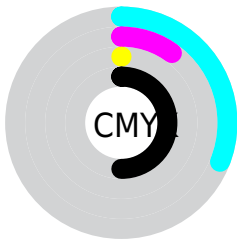
Blue (50%)



Red (35%)

Yellow (41%)

Blue (50%)

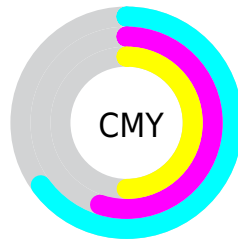


Cyan (31%)

Magenta (10%)

Yellow (0%)

Black (50%)



Cyan (65%)


Magenta (55%)

Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 12.193, 237.990 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, 12.193, 237.990 by changing the saturation by 10% instead.


 47, 12.193,
237.990


 47, 12.193,
237.990


 100, 12.193,
237.990


 37, 12.193,
237.990

 67, 12.193,
237.990


 27, 12.193,
237.990

 77, 12.193,
237.990

 17, 12.193,
237.990

 87, 12.193,
237.990

 7, 12.193, 237.990

 97, 12.193,
237.990

 0, 12.193, 237.990

 47, 12.193,

 47, 12.193,

237.990

237.990

■ 45, 15.657,
239.604

■ 49, 8.482, 236.692

■ 43, 18.836,
241.614

■ 51, 4.566, 235.676

■ 53, 0.485, 235.485

■ 41, 21.700,
244.093

■ 56, 3.724, 53.973

■ 39, 24.238,
247.120

■ 58, 8.031, 53.471

■ 60, 12.408, 53.037

■ 38, 26.473,
250.753

■ 63, 16.833, 52.678

■ 36, 28.462,
255.006

■ 65, 21.288, 52.381

■ 67, 25.758, 52.136

■ 35, 30.190,
258.915

Harmonies

Complementary

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



47, 12.193, 237.990



45, 14.463, 52.538

Rectangle

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



47, 12.193, 237.990



47, 12.193, 287.990



47, 12.193, 57.990



47, 12.193, 107.990

Sweetspot

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



47, 12.193, 237.986



66, 4.554, 235.512



50, 22.638, 152.516



34, 3.181, 235.616



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 12.193, 237.986



58, 17.512, 239.027



41, 19.913, 285.569



26, 2.302, 235.503



34, 30.022, 258.875



0, 0.000, 0.000

Inverse Universe

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



43, 22.784, 337.551



52, 33.248, 338.102



51, 19.152, 97.940



25, 4.061, 335.889



27, 54.700, 346.011



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 12.193, 237.990 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, 12.193, 237.990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

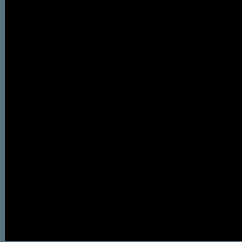
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

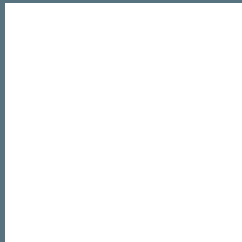
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 12.193, 237.990

Background



This preview shows how black text looks on a background with the CIELCh color 47, 12.193, 237.990.

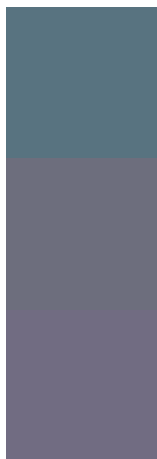


This preview shows how white text looks on a background with the CIELCh color 47, 12.193, 237.990.

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, 12.193, 237.990

Protanopia

47, 8.894, 288.909

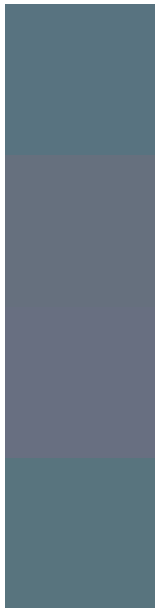
Deuteranopia

47, 13.233, 300.200



Tritanopia
47, 11.373, 226.539

Trichromacy



Original Color
47, 12.193, 237.990

Protanomaly
47, 9.015, 266.522

Deuteranomaly
47, 10.915, 277.706

Tritanomaly
47, 11.604, 229.318

Monochromacy



Original Color
47, 12.193, 237.990

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 4.560, 239.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 12.193, 237.990 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(88, 115, 128)` looks like.

```
.text, #text, p{  
    color:rgb(88, 115, 128)  
}
```

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(88, 115, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 115, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 12.193, 237.990 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(88, 115, 128) }
```

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

```
.border{ border-color:rgb(88, 115, 128) }
```

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

Here you see how a box with a 4 pixel rgb(88, 115, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 115, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 115, 128);  
box-shadow:4px 4px 4px 4px rgb(88, 115,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 12.193, 237.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 115, 128) }
```

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

```
.background{ background-color: rgb(88, 115,  
128) }
```

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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