

Converting Colors

CIELCh(47, 12.752, 200.760)

Have a look what the booklet for
CIELCh(47, 12.752, 200.760)
contains.

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Color

CIELCh(47, 12.922, 200.664)

Conversions

Conversions Part 1

Format	Color
Hex	537677
RGB	83, 118, 119
RGB Percent	33%, 46%, 47%
CMY	0.6759, 0.5386, 0.5347
CMYK	0.30, 0.01, 0.00, 0.53
HSL	182°, 18%, 39%
HSV	182°, 30%, 47%
XYZ	13.2814, 16.0195, 19.7327
YIQ	107.6490, -21.1810, -7.1090

Conversions

Conversions Part 2

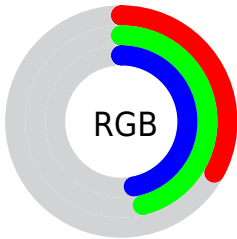
Format	Color
R_{YB}	83, 101, 119
Decimal	5469815
CIE _{Lab}	47.00, -12.09, -4.56
CIE _{LCh}	47, 12.922, 200.664
Yxy	16.0195, 0.2709, 0.3267
Android (android.graphics.Color)	4283659895 (0xFF537677)
YUV	107.6490, 5.5960, -21.6172
Hunter-Lab	40.0243, -10.8101, -1.2141

Details

The CIELCh color $47, 12.922, 200.664$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $39, 15.783, 23.851$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 12.784, 200.855$, and $27, 13.133, 200.255$ is the 20% darker color. If you saturate the color by 10%, you get $46, 16.502, 200.393$, and if you desaturate by 10%, it is $48, 8.959, 201.000$.

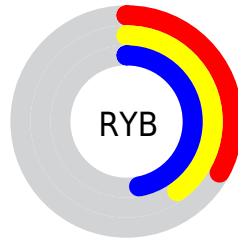
Distribution



Red (33%)

Green (46%)

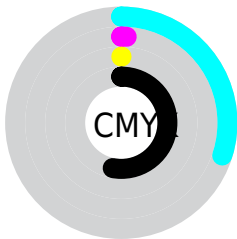
Blue (47%)



Red (33%)

Yellow (40%)

Blue (47%)

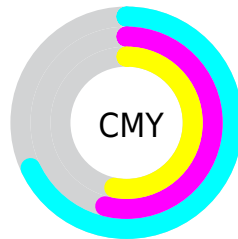


Cyan (30%)

Magenta (1%)

Yellow (0%)

Black (53%)



Cyan (68%)

Magenta (54%)

Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 12.922, 200.664 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, 12.922, 200.664 by changing the saturation by 10% instead.

 47, 12.922,
200.664

 47, 12.922,
200.664

 100, 12.922,
200.664

 37, 12.922,
200.664

 67, 12.922,
200.664

 27, 12.922,
200.664

 77, 12.922,
200.664

 17, 12.922,
200.664


 87, 12.922,
200.664

 7, 12.922, 200.664

 97, 12.922,
200.664

 0, 12.922, 200.664

 47, 12.922,

 47, 12.922,

200.664

■ 46, 16.502,
200.393

■ 46, 19.633,
200.205

■ 45, 22.257,
200.105

■ 45, 24.333,
200.101

■ 44, 25.845,
200.200

■ 44, 26.805,
200.405

■ 44, 27.429,
200.661

200.664

■ 48, 8.959, 201.000

■ 49, 4.681, 201.421

■ 50, 0.155, 204.209

■ 51, 4.560, 22.151

■ 52, 9.410, 22.687

■ 54, 14.350, 23.213

■ 55, 19.345, 23.746

■ 56, 24.364, 24.283

■ 58, 29.386, 24.820

Harmonies

Complementary

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



47, 12.922, 200.664



39, 15.783, 23.851

Rectangle

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



47, 12.922, 200.664



47, 12.922, 250.664



47, 12.922, 20.664



47, 12.922, 70.664

Sweetspot

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



47, 12.922, 200.660



62, 5.034, 201.477



46, 25.682, 142.876



32, 3.467, 201.418



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, 12.922, 200.660



59, 18.408, 200.477



42, 12.722, 261.738



24, 2.534, 201.486



45, 28.046, 200.676



87, 47.455, 200.924

Inverse Universe

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



40, 25.492, 326.780



49, 37.114, 327.115



44, 13.662, 73.547



23, 4.669, 325.641



28, 65.736, 329.325



59, 111.319, 329.388

Previews

White Background



This preview shows how the CIE LCh color 47, 12.922, 200.664 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, 12.922, 200.664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

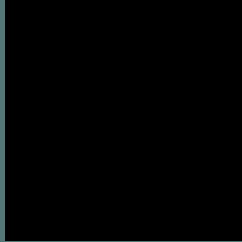
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 12.922, 200.664

Background



This preview shows how black text looks on a background with the CIELCh color 47, 12.922, 200.664.



This preview shows how white text looks on a background with the CIELCh color 47, 12.922, 200.664.

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, 12.922, 200.664

Protanopia

47, 2.519, 309.182

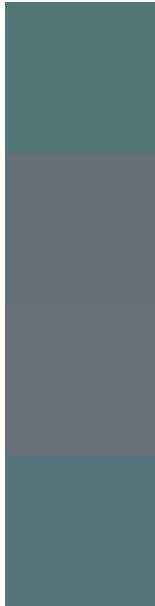
Deuteranopia

47, 8.539, 315.904



Tritanopia
47, 12.834, 222.944

Trichromacy



Original Color
47, 12.922, 200.664

Protanomaly
47, 4.984, 219.925

Deuteranomaly
47, 5.411, 260.599

Tritanomaly
47, 12.417, 214.920

Monochromacy



Original Color
47, 12.922, 200.664

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 5.149, 198.875

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 12.922, 200.664 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, 118, 119)` looks like.

```
.text, #text, p{  
    color:rgb(83, 118, 119)  
}
```

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, 118, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 118, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 12.922, 200.664 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, 118, 119) }
```

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

```
.border{ border-color:rgb(83, 118, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 118, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 118, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 118, 119);  
box-shadow:4px 4px 4px 4px rgb(83, 118,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 12.922, 200.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 118, 119) }
```

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

```
.background{ background-color: rgb(83, 118,  
119) }
```

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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