

Converting Colors

CIELCh(47, 20.439, 150.312)

Have a look what the booklet for
CIELCh(47, 20.439, 150.312)
contains.

CIELCh(47, 20.305, 150.789)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(47, 20.305, 150.789)

Conversions

Conversions Part 1

Format	Color
Hex	55775E
RGB	85, 119, 94
RGB Percent	33%, 47%, 37%
CMY	0.6656, 0.5322, 0.6303
CMYK	0.29, 0.00, 0.21, 0.53
HSL	136°, 17%, 40%
HSV	136°, 29%, 47%
XYZ	12.4352, 16.0195, 13.0909
YIQ	105.9840, -12.2390, -14.9830

Conversions

Conversions Part 2

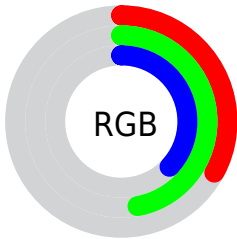
Format	Color
RYB	85, 112, 119
Decimal	5601118
CIELab	47.00, -17.72, 9.91
CIELCh	47, 20.305, 150.789
Yxy	16.0195, 0.2993, 0.3856
Android (android.graphics.Color)	4283791198 (0xFF55775E)
YUV	105.9840, -5.9081, -18.4030
Hunter-Lab	40.0243, -14.5843, 8.6248

Details

The CIELCh color $47, 20.305, 150.789$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $41, 20.463, 334.758$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 20.355, 150.833$, and $27, 20.042, 151.199$ is the 20% darker color. If you saturate the color by 10%, you get $46, 27.312, 149.827$, and if you desaturate by 10%, it is $48, 13.182, 151.630$.

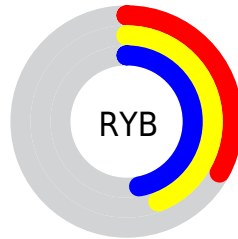
Distribution



Red (33%)

Green (47%)

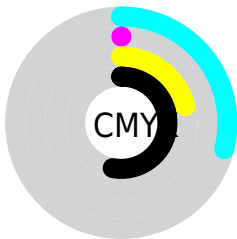
Blue (37%)



Red (33%)

Yellow (44%)

Blue (47%)

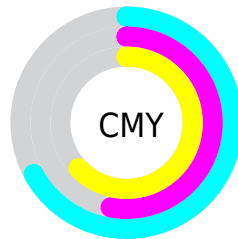


Cyan (29%)

Magenta (0%)

Yellow (21%)

Black (53%)



Cyan (67%)


Magenta (53%)

Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 20.305, 150.789 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, 20.305, 150.789 by changing the saturation by 10% instead.

 47, 20.305,
150.789


 47, 20.305,
150.789


 100, 20.305,
150.789


 37, 20.305,
150.789

 67, 20.305,
150.789


 27, 20.305,
150.789

 77, 20.305,
150.789

 17, 20.305,
150.789

 87, 20.305,
150.789

 7, 20.305, 150.789

 97, 20.305,
150.789

 0, 20.305, 150.789

 47, 20.305,

 47, 20.305,

150.789

150.789

■ 46, 27.312,
149.827

■ 48, 13.182,
151.630

■ 45, 34.087,
148.725

■ 49, 6.037, 152.379

■ 45, 40.503,
147.469

■ 50, 1.054, 332.769

■ 52, 8.031, 333.517

■ 44, 46.430,
146.049

■ 53, 14.856,
334.029

■ 44, 51.745,
144.473

■ 55, 21.499,
334.479

■ 44, 56.345,
142.770

■ 56, 27.947,
334.882

■ 43, 60.265,
141.115

■ 58, 34.191,
335.245

■ 43, 60.812,
140.904

■ 60, 40.230,

Harmonies

Complementary

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



47, 20.305, 150.789



41, 20.463, 334.758

Rectangle

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



47, 20.305, 150.789



47, 20.305, 200.789



47, 20.305, 330.789



47, 20.305, 20.789

Sweetspot

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



47, 20.306, 150.789



63, 7.934, 152.328



49, 20.065, 118.199



33, 5.560, 152.239



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 20.306, 150.789



60, 30.027, 150.194



47, 14.104, 176.915



24, 3.937, 152.343



44, 62.025, 140.848



86, 107.857, 139.759

Inverse Universe

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



41, 20.463, 334.758



50, 30.273, 335.216



40, 15.517, 2.484



23, 3.954, 333.423



26, 55.238, 341.723



56, 92.747, 342.696

Previews

White Background



This preview shows how the CIELCh color 47, 20.305, 150.789 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, 20.305, 150.789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

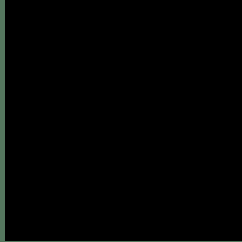
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 20.305, 150.789

Background



This preview shows how black text looks on a background with the CIELCh color 47, 20.305, 150.789.



This preview shows how white text looks on a background with the CIELCh color 47, 20.305, 150.789.

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, 20.305, 150.789

Protanopia

47, 12.733, 94.502

Deuteranopia

47, 10.563, 53.942



Tritanopia
47, 10.206, 230.246

Trichromacy



Original Color
47, 20.305, 150.789

Protanomaly
47, 13.381, 123.214

Deuteranomaly
47, 8.851, 106.175

Tritanomaly
47, 11.087, 185.799

Monochromacy



Original Color
47, 20.305, 150.789

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 7.595, 153.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 20.305, 150.789 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(85, 119, 94)` looks like.

```
.text, #text, p{  
    color:rgb(85, 119, 94)  
}
```

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(85, 119, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 119, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 20.305, 150.789 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(85, 119, 94) }
```

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

```
.border{ border-color:rgb(85, 119, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 119, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 119, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 119, 94);  
box-shadow:4px 4px 4px 4px rgb(85, 119,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 20.305, 150.789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 119, 94) }
```

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

```
.background{ background-color: rgb(85, 119,  
94) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor