

Converting Colors

CIELCh(47, 20.066, 154.412)

Have a look what the booklet for
CIELCh(47, 20.066, 154.412)
contains.

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Color

CIELCh(47, 20.634, 153.980)

Conversions

Conversions Part 1

Format	Color
Hex	537860
RGB	83, 120, 96
RGB Percent	33%, 47%, 38%
CMY	0.6757, 0.5307, 0.6247
CMYK	0.31, 0.00, 0.20, 0.53
HSL	141°, 18%, 40%
HSV	141°, 31%, 47%
XYZ	12.3151, 16.0195, 13.4351
YIQ	106.2010, -14.3480, -15.3080

Conversions

Conversions Part 2

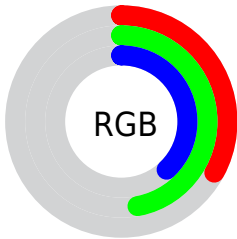
Format	Color
RYB	83, 110, 120
Decimal	5470304
CIELab	47.00, -18.54, 9.05
CIELCh	47, 20.634, 153.980
Yxy	16.0195, 0.2948, 0.3835
Android (android.graphics.Color)	4283660384 (0xFF537860)
YUV	106.2010, -5.0291, -20.3473
Hunter-Lab	40.0243, -15.1199, 8.1149

Details

The CIELCh color $47, 20.634, 153.980$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $40, 20.953, 338.716$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 20.025, 154.333$, and $27, 20.318, 154.427$ is the 20% darker color. If you saturate the color by 10%, you get $46, 27.137, 152.943$, and if you desaturate by 10%, it is $48, 13.985, 154.893$.

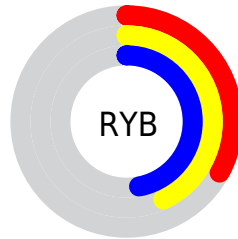
Distribution



Red (33%)

Green (47%)

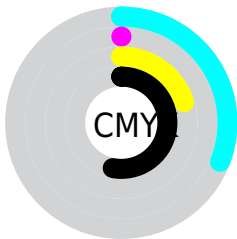
Blue (38%)



Red (33%)

Yellow (43%)

Blue (47%)

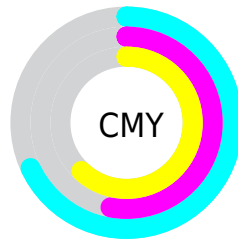


Cyan (31%)

Magenta (0%)

Yellow (20%)

Black (53%)



Cyan (68%)


Magenta (53%)


Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 20.634, 153.980 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, 20.634, 153.980 by changing the saturation by 10% instead.


 47, 20.634,
153.980


 47, 20.634,
153.980


 100, 20.634,
153.980


 37, 20.634,
153.980

 67, 20.634,
153.980


 27, 20.634,
153.980

 77, 20.634,
153.980

 17, 20.634,
153.980

 87, 20.634,
153.980

 7, 20.634, 153.980

 97, 20.634,
153.980

 0, 20.634, 153.980

 47, 20.634,

 47, 20.634,

153.980

153.980

■ 46, 27.137,
152.943

■ 48, 13.985,
154.893

■ 45, 33.387,
151.762

■ 49, 7.281, 155.708

■ 45, 39.271,
150.417

■ 50, 0.597, 156.792

■ 51, 6.006, 336.976

■ 44, 44.682,
148.896

■ 53, 12.486,
337.565

■ 44, 49.530,
147.196

■ 54, 18.811,
338.085

■ 44, 53.753,
145.334

■ 56, 24.962,
338.556

■ 44, 57.195,
143.705

■ 57, 30.929,
338.986

■ 59, 36.709,

Harmonies

Complementary

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



47, 20.634, 153.980



40, 20.953, 338.716

Rectangle

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



47, 20.634, 153.980



47, 20.634, 203.980



47, 20.634, 333.980



47, 20.634, 23.980

Sweetspot

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



47, 20.635, 153.979



63, 7.441, 155.840



48, 22.160, 122.076



33, 5.214, 155.745



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, 20.635, 153.979



59, 30.496, 153.267



47, 14.385, 184.592



24, 3.693, 155.856



45, 58.195, 143.651



87, 101.450, 142.414

Inverse Universe

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



40, 20.953, 338.716



49, 31.024, 339.316



39, 16.581, 10.319



23, 3.716, 337.021



26, 52.360, 347.882



55, 87.852, 349.385

Previews

White Background



This preview shows how the CIELCh color 47, 20.634, 153.980 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, 20.634, 153.980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

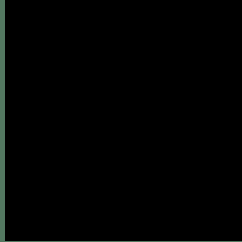
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 20.634, 153.980

Background



This preview shows how black text looks on a background with the CIELCh color 47, 20.634, 153.980.



This preview shows how white text looks on a background with the CIELCh color 47, 20.634, 153.980.

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, 20.634, 153.980

Protanopia

47, 12.058, 95.982

Deuteranopia

47, 9.837, 52.664



Tritanopia
47, 11.078, 227.381

Trichromacy



Original Color
47, 20.634, 153.980

Protanomaly
47, 12.944, 125.696

Deuteranomaly
47, 8.880, 114.440

Tritanomaly
47, 11.618, 189.285

Monochromacy



Original Color
47, 20.634, 153.980

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, 20.634, 153.980 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, 120, 96)` looks like.

```
.text, #text, p{  
    color:rgb(83, 120, 96)  
}
```

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, 120, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 120, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 20.634, 153.980 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, 120, 96) }
```

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

```
.border{ border-color:rgb(83, 120, 96) }
```

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

Here you see how a box with a 4 pixel rgb(83, 120, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 120, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 120, 96);  
box-shadow:4px 4px 4px 4px rgb(83, 120,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 20.634, 153.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 120, 96) }
```

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

```
.background{ background-color: rgb(83, 120,  
96) }
```

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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