

Converting Colors

CIELCh(47, 22.672, 169.263)

Have a look what the booklet for
CIELCh(47, 22.672, 169.263)
contains.

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Color

CIELCh(47, 22.356, 170.163)

Conversions

Conversions Part 1

Format	Color
Hex	447968
RGB	68, 121, 104
RGB Percent	27%, 47%, 41%
CMY	0.7318, 0.5240, 0.5907
CMYK	0.44, 0.00, 0.14, 0.52
HSL	161°, 28%, 37%
HSV	161°, 44%, 48%
XYZ	11.8132, 16.0195, 15.6664
YIQ	103.2150, -26.1310, -16.5230

Conversions

Conversions Part 2

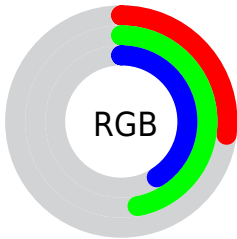
Format	Color
R_{YB}	68, 100, 121
Decimal	4487528
CIE _{Lab}	47.00, -22.03, 3.82
CIE _{LCh}	47, 22.356, 170.163
Yxy	16.0195, 0.2716, 0.3683
Android (android.graphics.Color)	4282677608 (0xFF447968)
YUV	103.2150, 0.3870, -30.8836
Hunter-Lab	40.0243, -17.3582, 4.8096

Details

The CIELCh color $47, 22.356, 170.163$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $36, 25.087, 359.606$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 22.597, 169.791$, and $27, 22.418, 170.078$ is the 20% darker color. If you saturate the color by 10%, you get $46, 26.786, 168.898$, and if you desaturate by 10%, it is $48, 17.580, 171.310$.

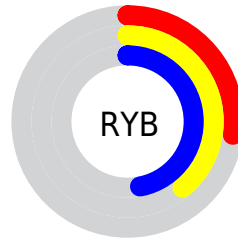
Distribution



Red (27%)

Green (47%)

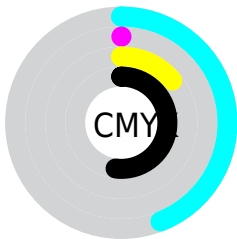
Blue (41%)



Red (27%)

Yellow (39%)

Blue (47%)

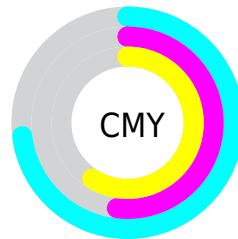


Cyan (44%)

Magenta (0%)

Yellow (14%)

Black (52%)



Cyan (73%)

Magenta (52%)

Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 22.356, 170.163 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, 22.356, 170.163 by changing the saturation by 10% instead.

 47, 22.356,
170.163

 47, 22.356,
170.163

 100, 22.356,
170.163

 37, 22.356,
170.163

 67, 22.356,
170.163


 27, 22.356,
170.163

 77, 22.356,
170.163

 17, 22.356,
170.163

 87, 22.356,
170.163

 7, 22.356, 170.163

 97, 22.356,
170.163

 0, 22.356, 170.163

 47, 22.356,

 47, 22.356,

170.163

170.163

■ 46, 26.786,
168.898

■ 48, 17.580,
171.310

■ 46, 30.790,
167.497

■ 49, 12.537,
172.365

■ 45, 34.308,
165.937

■ 50, 7.310, 173.351

■ 45, 37.305,
164.200

■ 51, 1.970, 174.371

■ 52, 3.419, 354.952

■ 45, 39.794,
162.283

■ 53, 8.809, 355.805

■ 45, 41.283,
161.103

■ 54, 14.158,
356.572

■ 56, 19.437,
357.296

■ 57, 24.626,
357.984

Harmonies

Complementary

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



47, 22.356, 170.163



36, 25.087, 359.606

Rectangle

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



47, 22.356, 170.163



47, 22.356, 220.163



47, 22.356, 350.163



47, 22.356, 40.163

Sweetspot

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



47, 22.357, 170.162



63, 8.633, 173.384



47, 34.111, 132.642



32, 6.000, 173.207



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, 22.357, 170.162



60, 32.254, 168.949



45, 15.983, 217.286



25, 3.042, 173.793



46, 42.197, 161.032



88, 72.524, 159.765

Inverse Universe

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



36, 25.087, 359.606



43, 37.076, 1.335



38, 21.801, 36.472



24, 3.114, 355.273



25, 50.766, 17.120



53, 86.700, 20.395

Previews

White Background



This preview shows how the CIELCh color 47, 22.356, 170.163 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, 22.356, 170.163 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, 22.356, 170.163

Background



This preview shows how black text looks on a background with the CIELCh color 47, 22.356, 170.163.

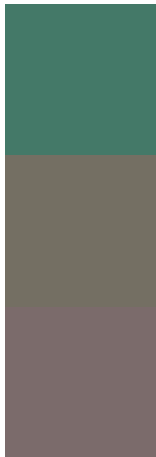


This preview shows how white text looks on a background with the CIELCh color 47, 22.356, 170.163.

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, 22.356, 170.163

Protanopia
47, 7.380, 92.411

Deuteranopia
47, 6.711, 20.171



Tritanopia
47, 15.799, 220.142

Trichromacy



Original Color
47, 22.356, 170.163

Protanomaly
47, 10.623, 147.217

Deuteranomaly
46, 5.142, 155.165

Tritanomaly
47, 16.441, 197.638

Monochromacy



Original Color
47, 22.356, 170.163

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 8.467, 173.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 22.356, 170.163 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(68, 121, 104)` looks like.

```
.text, #text, p{  
    color:rgb(68, 121, 104)  
}
```

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(68, 121, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 121, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 22.356, 170.163 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(68, 121, 104) }
```

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

```
.border{ border-color:rgb(68, 121, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 121, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 121, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 121, 104);  
box-shadow:4px 4px 4px 4px rgb(68, 121,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 22.356, 170.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 121, 104) }
```

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

```
.background{ background-color: rgb(68, 121,  
104) }
```

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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