

Converting Colors

CIELCh(46, 20.206, 170.822)

Have a look what the booklet for
CIELCh(46, 20.206, 170.822)
contains.

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Color

CIELCh(46, 20.064, 170.754)

Conversions

Conversions Part 1

Format	Color
Hex	477667
RGB	71, 118, 103
RGB Percent	28%, 46%, 40%
CMY	0.7217, 0.5373, 0.5962
CMYK	0.40, 0.00, 0.13, 0.54
HSL	161°, 25%, 37%
HSV	161°, 40%, 46%
XYZ	11.5193, 15.2687, 15.1658
YIQ	102.2370, -23.1970, -14.6290

Conversions

Conversions Part 2

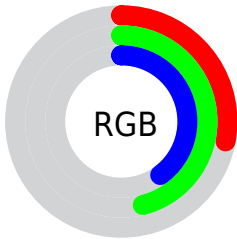
Format	Color
R_{YB}	71, 99, 118
Decimal	4683367
CIE _{Lab}	46.00, -19.80, 3.22
CIE _{LCh}	46, 20.064, 170.754
Yxy	15.2687, 0.2746, 0.3639
Android (android.graphics.Color)	4282873447 (0xFF477667)
YUV	102.2370, 0.3762, -27.3948
Hunter-Lab	39.0751, -15.7597, 4.3411

Details

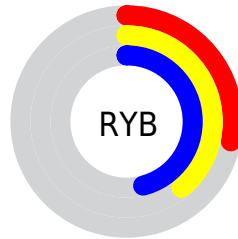
The CIELCh color $46, 20.064, 170.754$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $36, 22.296, 359.113$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 19.732, 170.973$, and $26, 19.862, 170.802$ is the 20% darker color. If you saturate the color by 10%, you get $45, 24.526, 169.542$, and if you desaturate by 10%, it is $47, 15.295, 171.858$.

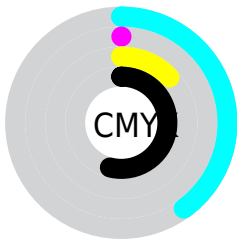
Distribution



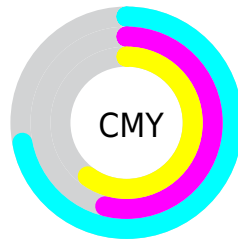
- Red (28%)
- Green (46%)
- Blue (40%)



- Red (28%)
- Yellow (39%)
- Blue (46%)



- Cyan (40%)
- Magenta (0%)
- Yellow (13%)
- Black (54%)





- Cyan (72%)
- Magenta (54%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 20.064, 170.754 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 46, 20.064, 170.754 by changing the saturation by 10% instead.


 46, 20.064,
170.754


 46, 20.064,
170.754


 100, 20.064,
170.754

 36, 20.064,
170.754

 66, 20.064,
170.754


 26, 20.064,
170.754

 76, 20.064,
170.754

 16, 20.064,
170.754

 86, 20.064,
170.754

 6, 20.064, 170.754

 96, 20.064,
170.754

 0, 20.064, 170.754

 46, 20.064,

 46, 20.064,

170.754

170.754

■ 45, 24.526,
169.542

■ 47, 15.295,
171.858

■ 45, 28.602,
168.204

■ 48, 10.297,
172.879

■ 44, 32.226,
166.717

■ 49, 5.147, 173.846

■ 44, 35.351,
165.061

■ 50, 0.089, 351.040

■ 51, 5.353, 355.419

■ 44, 37.966,
163.221

■ 52, 10.603,
356.225

■ 44, 40.275,
161.340

■ 53, 15.802,
356.973

■ 44, 40.313,
161.312

■ 55, 20.925,
357.682

■ 56, 25.954,

Harmonies

Complementary

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



46, 20.064, 170.754



36, 22.296, 359.113

Rectangle

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



46, 20.064, 170.754



46, 20.064, 220.754



46, 20.064, 350.754



46, 20.064, 40.754

Sweetspot

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



46, 20.065, 170.752



62, 7.756, 173.609



46, 30.479, 132.844



32, 5.110, 173.519



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



46, 20.065, 170.752



58, 29.274, 169.623



44, 14.493, 217.006



24, 2.932, 173.924



45, 41.451, 161.219



88, 71.786, 159.917

Inverse Universe

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



36, 22.296, 359.113



43, 33.340, 0.665



38, 19.130, 36.269



23, 3.001, 355.390



25, 50.027, 17.156



53, 86.095, 20.530

Previews

White Background



This preview shows how the CIELCh color 46, 20.064, 170.754 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 46, 20.064, 170.754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

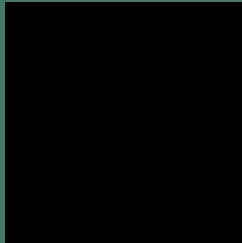
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 46, 20.064, 170.754

Background



This preview shows how black text looks on a background with the CIELCh color 46, 20.064, 170.754.



This preview shows how white text looks on a background with the CIELCh color 46, 20.064, 170.754.

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


46, 20.064, 170.754

Protanopia

46, 6.286, 89.531

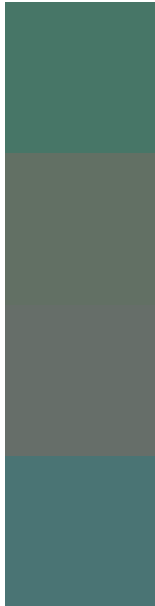
Deuteranopia

46, 6.314, 14.774



Tritanopia
46, 14.569, 219.744

Trichromacy



Original Color
46, 20.064, 170.754

Protanomaly
46, 9.214, 147.876

Deuteranomaly
46, 4.444, 157.030

Tritanomaly
46, 15.240, 197.737

Monochromacy



Original Color
46, 20.064, 170.754

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 7.797, 171.052

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 20.064, 170.754 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(71, 118, 103)` looks like.

```
.text, #text, p{  
    color:rgb(71, 118, 103)  
}
```

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(71, 118, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 118, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 20.064, 170.754 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(71, 118, 103) }
```

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

```
.border{ border-color:rgb(71, 118, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 118, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 118, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 118, 103);  
box-shadow:4px 4px 4px 4px rgb(71, 118,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 20.064, 170.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 118, 103) }
```

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

```
.background{ background-color: rgb(71, 118,  
103) }
```

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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