

Converting Colors

CIELCh(46, 15.743, 152.051)

Have a look what the booklet for
CIELCh(46, 15.743, 152.051)
contains.

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Color

CIELCh(46, 15.575, 151.480)

Conversions

Conversions Part 1

Format	Color
Hex	597360
RGB	89, 115, 96
RGB Percent	35%, 45%, 38%
CMY	0.6505, 0.5485, 0.6230
CMYK	0.23, 0.00, 0.17, 0.55
HSL	136°, 13%, 40%
HSV	136°, 23%, 45%
XYZ	12.3952, 15.2687, 13.3911
YIQ	105.0600, -9.3970, -11.4210

Conversions

Conversions Part 2

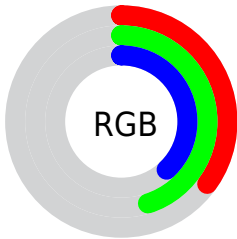
Format	Color
R_{YB}	89, 109, 115
Decimal	5862240
CIE _{Lab}	46.00, -13.68, 7.44
CIE _{LCh}	46, 15.575, 151.480
Yxy	15.2687, 0.3019, 0.3719
Android (android.graphics.Color)	4284052320 (0xFF597360)
YUV	105.0600, -4.4666, -14.0846
Hunter-Lab	39.0751, -11.7589, 7.0339

Details

The CIELCh color $46, 15.575, 151.480$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $41, 15.685, 334.521$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 15.471, 152.531$, and $26, 15.484, 151.378$ is the 20% darker color. If you saturate the color by 10%, you get $45, 22.438, 150.594$, and if you desaturate by 10%, it is $47, 8.658, 152.260$.

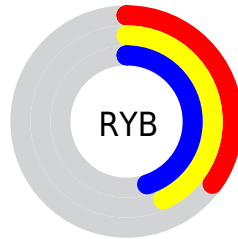
Distribution



Red (35%)

Green (45%)

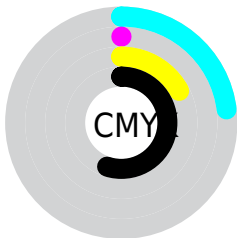
Blue (38%)



Red (35%)

Yellow (43%)

Blue (45%)

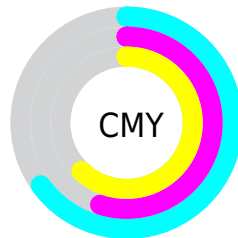


Cyan (23%)

Magenta (0%)

Yellow (17%)

Black (55%)



Cyan (65%)


Magenta (55%)


Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 15.575, 151.480 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, 15.575, 151.480 by changing the saturation by 10% instead.


 46, 15.575,
151.480


 46, 15.575,
151.480


 100, 15.575,
151.480


 36, 15.575,
151.480

 66, 15.575,
151.480


 26, 15.575,
151.480

 76, 15.575,
151.480

 16, 15.575,
151.480


 86, 15.575,
151.480

 6, 15.575, 151.480

 96, 15.575,
151.480

 0, 15.575, 151.480

 46, 15.575,

 46, 15.575,

151.480

151.480

■ 45, 22.438,
150.594

■ 47, 8.658, 152.260

■ 44, 29.144,
149.581

■ 48, 1.766, 153.033

■ 44, 35.580,
148.423

■ 49, 5.040, 333.458

■ 43, 41.623,
147.106

■ 51, 11.712,
334.007

■ 43, 47.148,
145.626

■ 52, 18.219,
334.482

■ 42, 52.045,
143.998

■ 54, 24.544,
334.905

■ 42, 56.231,
142.262

■ 55, 30.674,
335.285

■ 42, 59.000,
141.117

■ 57, 36.607,
335.629

■ 59, 42.344,

Harmonies

Complementary

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



46, 15.575, 151.480



41, 15.685, 334.521

Rectangle

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



46, 15.575, 151.480



46, 15.575, 201.480



46, 15.575, 331.480



46, 15.575, 21.480

Sweetspot

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



46, 15.576, 151.479



61, 5.977, 152.654



47, 15.516, 119.235



32, 3.915, 152.625



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, 15.576, 151.479



59, 23.177, 151.041



46, 10.854, 178.759



24, 3.924, 152.518



44, 61.836, 140.980



86, 107.548, 139.881

Inverse Universe

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



41, 15.685, 334.521



51, 23.360, 334.880



41, 11.739, 2.957



23, 3.941, 333.602



26, 55.069, 342.026



56, 92.454, 343.025

Previews

White Background



This preview shows how the CIELCh color 46, 15.575, 151.480 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 46, 15.575, 151.480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

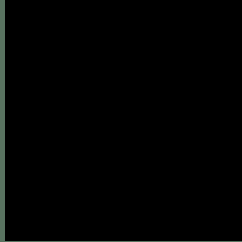
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 15.575, 151.480

Background



This preview shows how black text looks on a background with the CIELCh color 46, 15.575, 151.480.



This preview shows how white text looks on a background with the CIELCh color 46, 15.575, 151.480.

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

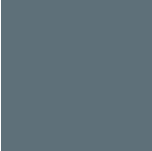
46, 15.575, 151.480

Protanopia

46, 9.248, 92.593

Deuteranopia

46, 8.836, 48.014



Tritanopia
46, 8.513, 237.913

Trichromacy



Original Color
46, 15.575, 151.480

Protanomaly
46, 10.373, 123.013

Deuteranomaly
46, 7.145, 102.328

Tritanomaly
46, 8.206, 194.331

Monochromacy



Original Color
46, 15.575, 151.480

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 5.887, 153.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 15.575, 151.480 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(89, 115, 96)` looks like.

```
.text, #text, p{  
    color:rgb(89, 115, 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(89, 115, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 115, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 15.575, 151.480 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(89, 115, 96) }
```

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

```
.border{ border-color:rgb(89, 115, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 115, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 115, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 115, 96);  
box-shadow:4px 4px 4px 4px rgb(89, 115,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 15.575, 151.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 115, 96) }
```

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

```
.background{ background-color: rgb(89, 115,  
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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