

Converting Colors

CIELCh(46, 17.531, 152.377)

Have a look what the booklet for
CIELCh(46, 17.531, 152.377)
contains.

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Color

CIELCh(46, 17.531, 152.377)

Conversions

Conversions Part 1

Format	Color
Hex	56745F
RGB	86, 116, 95
RGB Percent	34%, 45%, 37%
CMY	0.6631, 0.5454, 0.6278
CMYK	0.26, 0.00, 0.18, 0.55
HSL	138°, 15%, 40%
HSV	138°, 26%, 45%
XYZ	12.1261, 15.2687, 13.1136
YIQ	104.6360, -11.1390, -12.8910

Conversions

Conversions Part 2

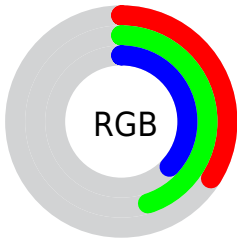
Format	Color
R_{YB}	86, 109, 116
Decimal	5665887
CIE Lab	46.00, -15.53, 8.13
CIE LCh	46, 17.531, 152.377
Yxy	15.2687, 0.2993, 0.3769
Android (android.graphics.Color)	4283855967 (0xFF56745F)
YUV	104.6360, -4.7505, -16.3438
Hunter-Lab	39.0751, -12.9878, 7.4549

Details

The CIELCh color $46, 17.531, 152.377$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $40, 17.699, 336.031$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 17.729, 152.171$, and $26, 17.562, 152.027$ is the 20% darker color. If you saturate the color by 10%, you get $45, 24.226, 151.435$, and if you desaturate by 10%, it is $47, 10.748, 153.205$.

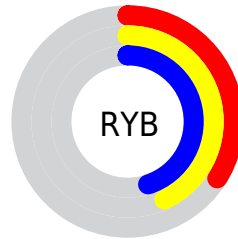
Distribution



Red (34%)

Green (45%)

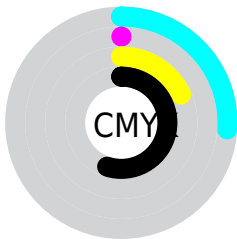
Blue (37%)



Red (34%)

Yellow (43%)

Blue (45%)

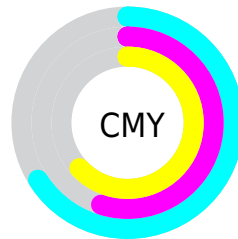


Cyan (26%)

Magenta (0%)

Yellow (18%)

Black (55%)



Cyan (66%)


Magenta (55%)

Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 17.531, 152.377 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, 17.531, 152.377 by changing the saturation by 10% instead.


 46, 17.531,
152.377


 46, 17.531,
152.377


 100, 17.531,
152.377


 36, 17.531,
152.377

 66, 17.531,
152.377


 26, 17.531,
152.377

 76, 17.531,
152.377

 16, 17.531,
152.377


 86, 17.531,
152.377

 6, 17.531, 152.377

 96, 17.531,
152.377

 0, 17.531, 152.377

 46, 17.531,

 46, 17.531,

152.377

152.377

■ 45, 24.226,
151.435

■ 47, 10.748,
153.205

■ 44, 30.729,
150.360

■ 48, 3.960, 153.961

■ 44, 36.926,
149.133

■ 49, 2.764, 334.457

■ 51, 9.376, 335.080

■ 43, 42.699,
147.740

■ 52, 15.838,
335.594

■ 43, 47.937,
146.178

■ 53, 22.127,
336.052

■ 42, 52.547,
144.462

■ 55, 28.231,
336.465

■ 42, 56.515,
142.683

■ 57, 34.143,
336.841

■ 42, 58.043,
142.039

■ 58, 39.863,

Harmonies

Complementary

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



46, 17.531, 152.377



40, 17.699, 336.031

Rectangle

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



46, 17.531, 152.377



46, 17.531, 202.377



46, 17.531, 332.377



46, 17.531, 22.377

Sweetspot

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



46, 17.532, 152.376



61, 6.682, 153.786



47, 17.951, 120.376



32, 4.789, 153.691



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, 17.532, 152.376



58, 25.966, 151.836



46, 12.197, 181.008



24, 3.836, 153.723



44, 60.525, 141.912



86, 105.384, 140.755

Inverse Universe

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



40, 17.699, 336.031



50, 26.246, 336.475



40, 13.491, 5.847



23, 3.855, 334.836



26, 53.980, 344.125



55, 90.583, 345.303

Previews

White Background



This preview shows how the CIELCh color 46, 17.531, 152.377 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, 17.531, 152.377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

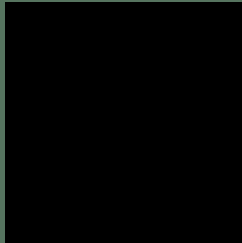
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 17.531, 152.377

Background



This preview shows how black text looks on a background with the CIELCh color 46, 17.531, 152.377.



This preview shows how white text looks on a background with the CIELCh color 46, 17.531, 152.377.

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, 17.531, 152.377

Protanopia
46, 10.512, 91.855

Deuteranopia
46, 9.156, 51.149



Tritanopia
46, 9.362, 233.734

Trichromacy



Original Color
46, 17.531, 152.377

Protanomaly
46, 11.625, 123.510

Deuteranomaly
46, 7.700, 105.915

Tritanomaly
46, 9.299, 194.687

Monochromacy



Original Color
46, 17.531, 152.377

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 6.611, 152.583

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 17.531, 152.377 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(86, 116, 95)` looks like.

```
.text, #text, p{  
    color:rgb(86, 116, 95)  
}
```

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(86, 116, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 116, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 17.531, 152.377 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(86, 116, 95) }
```

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

```
.border{ border-color:rgb(86, 116, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 116, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 116, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 116, 95);  
box-shadow:4px 4px 4px 4px rgb(86, 116,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 17.531, 152.377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 116, 95) }
```

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

```
.background{ background-color: rgb(86, 116,  
95) }
```

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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