

Converting Colors

CIELCh(46, 33.924, 127.317)

Have a look what the booklet for
CIELCh(46, 33.924, 127.317)
contains.

CIELCh(46, 33.964, 127.302)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 33.964, 127.302)

Conversions

Conversions Part 1

Format	Color
Hex	59753E
RGB	89, 117, 62
RGB Percent	35%, 46%, 24%
CMY	0.6500, 0.5402, 0.7559
CMYK	0.24, 0.00, 0.47, 0.54
HSL	91°, 31%, 35%
HSV	91°, 47%, 46%
XYZ	11.4108, 15.2687, 6.9372
YIQ	102.3580, 0.9670, -23.0410

Conversions

Conversions Part 2

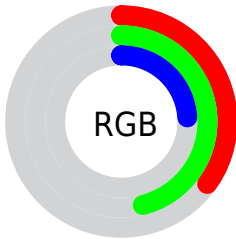
Format	Color
RYB	62, 117, 90
Decimal	5862718
CIELab	46.00, -20.58, 27.02
CIElCh	46, 33.964, 127.302
Yxy	15.2687, 0.3394, 0.4542
Android (android.graphics.Color)	4284052798 (0xFF59753E)
YUV	102.3580, -19.8965, -11.7150
Hunter-Lab	39.0751, -16.2554, 16.8266

Details

The CIELCh color $[46, 33.964, 127.302]$ is a dark color, and the websafe version is hex $\#336633$. A complement of this color would be $[32, 36.202, 311.611]$, and the grayscale version is $[44, 0.006, 296.813]$.

A 20% lighter version of the original color is $[66, 33.700, 127.489]$, and $[26, 34.080, 127.634]$ is the 20% darker color. If you saturate the color by 10%, you get $[45, 40.687, 126.925]$, and if you desaturate by 10%, it is $[47, 26.927, 127.745]$.

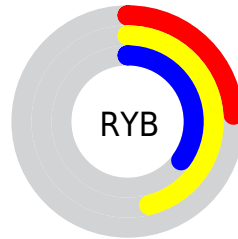
Distribution



Red (35%)

Green (46%)

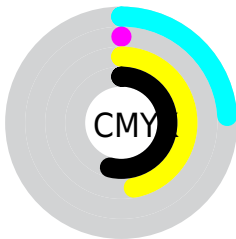
Blue (24%)



Red (24%)

Yellow (46%)

Blue (35%)

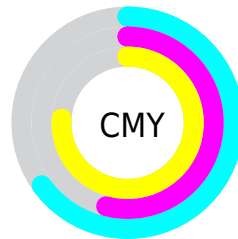


Cyan (24%)

Magenta (0%)

Yellow (47%)

Black (54%)



Cyan (65%)


Magenta (54%)


Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 33.964, 127.302 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, 33.964, 127.302 by changing the saturation by 10% instead.


 46, 33.964,
127.302


 46, 33.964,
127.302


 100, 33.964,
127.302


 36, 33.964,
127.302

 66, 33.964,
127.302


 26, 33.964,
127.302

 76, 33.964,
127.302

 16, 33.964,
127.302

 86, 33.964,
127.302

 6, 33.964, 127.302

 96, 33.964,
127.302

 0, 33.964, 127.302

 46, 33.964,

 46, 33.964,

127.302

127.302

■ 45, 40.687,
126.925

■ 47, 26.927,
127.745

■ 45, 46.908,
126.673

■ 47, 19.707,
128.208

■ 45, 52.380,
126.640

■ 48, 12.396,
128.668

■ 44, 56.815,
126.935

■ 49, 5.061, 129.114

■ 44, 60.203,
127.538

■ 50, 2.252, 309.469

■ 50, 9.509, 309.873

■ 44, 61.234,
127.681

■ 51, 16.685,
310.218

■ 52, 23.763,
310.529

■ 53, 30.730,

Harmonies

Complementary

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



46, 33.964, 127.302



32, 36.202, 311.611

Rectangle

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



46, 33.964, 127.302



46, 33.964, 177.302



46, 33.964, 307.302



46, 33.964, 357.302

Sweetspot

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



46, 33.965, 127.303



62, 12.749, 128.783



40, 21.535, 69.834



32, 8.751, 128.706



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, 33.965, 127.303



58, 49.733, 126.908



44, 39.283, 140.925



24, 4.119, 129.020



46, 63.191, 127.756



88, 108.073, 128.645

Inverse Universe

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



32, 36.202, 311.611



37, 53.865, 312.115



35, 39.150, 326.798



23, 4.170, 309.752



18, 72.078, 312.507



40, 122.892, 311.894

Previews

White Background



This preview shows how the CIELCh color 46, 33.964, 127.302 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, 33.964, 127.302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

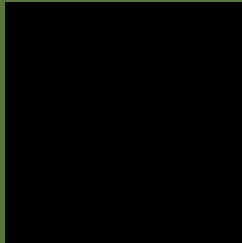
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 33.964, 127.302

Background



This preview shows how black text looks on a background with the CIELCh color 46, 33.964, 127.302.



This preview shows how white text looks on a background with the CIELCh color 46, 33.964, 127.302.

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, 33.964, 127.302

Protanopia

46, 29.471, 95.896

Deuteranopia

46, 26.286, 76.725



Tritanopia
46, 7.200, 247.187

Trichromacy



Original Color
46, 33.964, 127.302

Protanomaly
46, 29.976, 108.633

Deuteranomaly
46, 25.862, 99.284

Tritanomaly
46, 11.185, 150.294

Monochromacy



Original Color
46, 33.964, 127.302

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 12.651, 128.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 33.964, 127.302 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, 117, 62)` looks like.

```
.text, #text, p{  
    color:rgb(89, 117, 62)  
}
```

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, 117, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 117, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 33.964, 127.302 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, 117, 62) }
```

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

```
.border{ border-color:rgb(89, 117, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 117, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 117, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 117, 62);  
box-shadow:4px 4px 4px 4px rgb(89, 117,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 33.964, 127.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 117, 62) }
```

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

```
.background{ background-color: rgb(89, 117,  
62) }
```

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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