

Converting Colors

CIELCh(46, 38.887, 116.251)

Have a look what the booklet for
CIELCh(46, 38.887, 116.251)
contains.

CIELCh(46, 38.981, 116.592)	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, 38.981, 116.592)

Conversions

Conversions Part 1

Format	Color
Hex	637430
RGB	99, 116, 48
RGB Percent	39%, 45%, 19%
CMY	0.6130, 0.5463, 0.8129
CMYK	0.15, 0.00, 0.59, 0.55
HSL	75°, 42%, 32%
HSV	75°, 59%, 45%
XYZ	11.8513, 15.2687, 5.0883
YIQ	103.1650, 11.6960, -24.7520

Conversions

Conversions Part 2

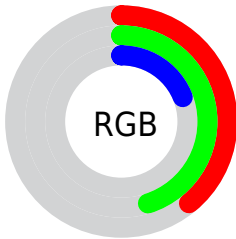
Format	Color
R_{YB}	48, 116, 65
Decimal	6517808
CIE _{Lab}	46.00, -17.45, 34.86
CIE _{LCh}	46, 38.981, 116.592
Yxy	15.2687, 0.3680, 0.4741
Android (android.graphics.Color)	4284707888 (0xFF637430)
YUV	103.1650, -27.1963, -3.6527
Hunter-Lab	39.0751, -14.2435, 19.6319

Details

The CIELCh color $46, 38.981, 116.592$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $25, 44.673, 304.798$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 38.836, 116.870$, and $26, 38.574, 116.820$ is the 20% darker color. If you saturate the color by 10%, you get $46, 44.532, 116.272$, and if you desaturate by 10%, it is $46, 32.879, 117.058$.

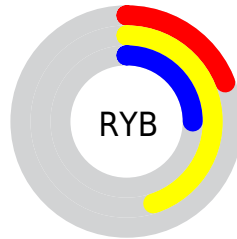
Distribution



Red (39%)

Green (45%)

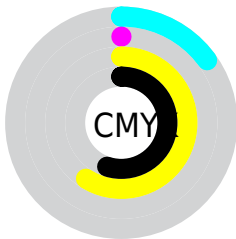
Blue (19%)



Red (19%)

Yellow (45%)

Blue (25%)

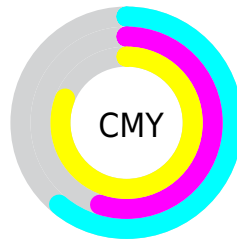


Cyan (15%)

Magenta (0%)

Yellow (59%)

Black (55%)



Cyan (61%)


Magenta (55%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 38.981, 116.592 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, 38.981, 116.592 by changing the saturation by 10% instead.


 46, 38.981,
116.592


 46, 38.981,
116.592


 100, 38.981,
116.592


 36, 38.981,
116.592

 66, 38.981,
116.592


 26, 38.981,
116.592

 76, 38.981,
116.592

 16, 38.981,
116.592


 86, 38.981,
116.592

 6, 38.981, 116.592

 96, 38.981,
116.592

 0, 38.981, 116.592

 46, 38.981,

 46, 38.981,

116.592

116.592

■ 46, 44.532,
116.272

■ 46, 32.879,
117.058

■ 45, 49.274,
116.170

■ 47, 26.418,
117.605

■ 45, 52.921,
116.377

■ 47, 19.735,
118.196

■ 45, 55.700,
116.810

■ 48, 12.922,
118.802

■ 45, 56.055,
116.854

■ 48, 6.041, 119.405

■ 49, 0.865, 299.963

■ 49, 7.764, 300.545

■ 50, 14.634,
301.078

■ 51, 21.459,

Harmonies

Complementary

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



46, 38.981, 116.592



25, 44.673, 304.798

Rectangle

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



46, 38.981, 116.592



46, 38.981, 166.592



46, 38.981, 296.592



46, 38.981, 346.592

Sweetspot

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



46, 38.982, 116.594



61, 15.377, 118.820



33, 28.426, 44.438



32, 10.762, 118.675



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, 38.982, 116.594



58, 56.308, 116.200



44, 44.442, 134.239



24, 3.926, 119.387



47, 58.381, 116.929



91, 99.341, 117.623

Inverse Universe

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



25, 44.673, 304.798



28, 67.431, 306.218



29, 45.752, 319.549



22, 3.999, 300.467



14, 75.730, 308.030



34, 129.175, 307.592

Previews

White Background



This preview shows how the CIELCh color 46, 38.981, 116.592 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, 38.981, 116.592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

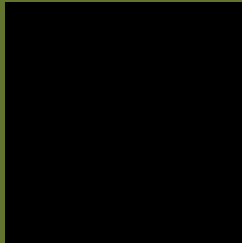
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 38.981, 116.592

Background



This preview shows how black text looks on a background with the CIELCh color 46, 38.981, 116.592.



This preview shows how white text looks on a background with the CIELCh color 46, 38.981, 116.592.

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, 38.981, 116.592

Protanopia

46, 36.332, 95.916

Deuteranopia

46, 34.384, 80.671



Tritanopia
46, 4.806, 281.386

Trichromacy



Original Color
46, 38.981, 116.592

Protanomaly
46, 36.262, 103.555

Deuteranomaly
46, 33.925, 94.804

Tritanomaly
46, 11.625, 123.510

Monochromacy



Original Color
46, 38.981, 116.592

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 15.116, 119.745

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 38.981, 116.592 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(99, 116, 48)` looks like.

```
.text, #text, p{  
    color:rgb(99, 116, 48)  
}
```

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(99, 116, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 116, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 38.981, 116.592 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(99, 116, 48) }
```

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

```
.border{ border-color:rgb(99, 116, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 116, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 116, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 116, 48);  
box-shadow:4px 4px 4px 4px rgb(99, 116,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 38.981, 116.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 116, 48) }
```

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

```
.background{ background-color: rgb(99, 116,  
48) }
```

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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