

Converting Colors

CIELCh(46, 40.836, 130.563)

Have a look what the booklet for
CIELCh(46, 40.836, 130.563)
contains.

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Color

CIELCh(46, 40.835, 130.562)

Conversions

Conversions Part 1

Format	Color
Hex	507837
RGB	80, 120, 55
RGB Percent	31%, 47%, 22%
CMY	0.6882, 0.5314, 0.7861
CMYK	0.33, 0.00, 0.54, 0.53
HSL	97°, 37%, 34%
HSV	97°, 54%, 47%
XYZ	10.6020, 15.2687, 5.9450
YIQ	100.6300, -2.9750, -28.6950

Conversions

Conversions Part 2

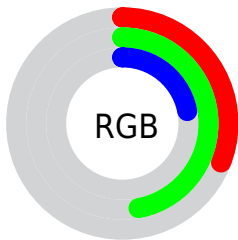
Format	Color
RYB	55, 120, 95
Decimal	5273655
CIELab	46.00, -26.55, 31.02
CIElCh	46, 40.835, 130.562
Yxy	15.2687, 0.3332, 0.4799
Android (android.graphics.Color)	4283463735 (0xFF507837)
YUV	100.6300, -22.4956, -18.0925
Hunter-Lab	39.0751, -19.9501, 18.3321

Details

The CIELCh color $46, 40.835, 130.562$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $30, 43.079, 315.258$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 40.993, 130.934$, and $26, 40.850, 130.298$ is the 20% darker color. If you saturate the color by 10%, you get $45, 47.519, 130.205$, and if you desaturate by 10%, it is $47, 33.682, 131.010$.

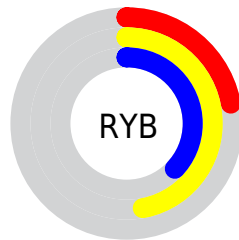
Distribution



Red (31%)

Green (47%)

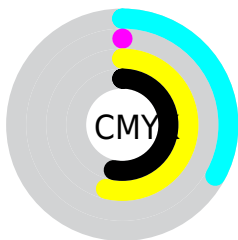
Blue (22%)



Red (22%)

Yellow (47%)

Blue (37%)

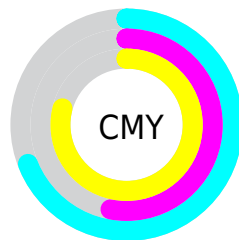


Cyan (33%)

Magenta (0%)

Yellow (54%)

Black (53%)



Cyan (69%)


Magenta (53%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 40.835, 130.562 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, 40.835, 130.562 by changing the saturation by 10% instead.


 46, 40.835,
130.562


 46, 40.835,
130.562


 100, 40.835,
130.562


 36, 40.835,
130.562

 66, 40.835,
130.562


 26, 40.835,
130.562

 76, 40.835,
130.562

 16, 40.835,
130.562

 86, 40.835,
130.562

 6, 40.835, 130.562

 96, 40.835,
130.562

 0, 40.835, 130.562

 46, 40.835,

 46, 40.835,

130.562

130.562

■ 45, 47.519,
130.205

■ 47, 33.682,
131.010

■ 45, 53.485,
130.021

■ 47, 26.239,
131.490

■ 45, 58.441,
130.119

■ 48, 18.639,
131.967

■ 44, 62.164,
130.577

■ 49, 10.977,
132.424

■ 44, 64.088,
130.782

■ 50, 3.319, 132.864

■ 51, 4.285, 313.188

■ 52, 11.801,
313.545

■ 53, 19.203,
313.851

■ 54, 26.475,
314.121

Harmonies

Complementary

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



46, 40.835, 130.562



30, 43.079, 315.258

Rectangle

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



46, 40.835, 130.562



46, 40.835, 180.562



46, 40.835, 310.562



46, 40.835, 0.562

Sweetspot

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



46, 40.836, 130.563



62, 15.182, 132.333



41, 26.793, 78.428



32, 10.333, 132.259



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 40.836, 130.563



58, 59.251, 130.144



45, 42.766, 142.782



24, 4.229, 132.658



45, 65.225, 130.821



87, 111.599, 131.632

Inverse Universe

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



30, 43.079, 315.258



36, 63.174, 315.617



34, 42.446, 330.278



23, 4.271, 313.345



20, 70.528, 315.222



44, 120.079, 314.642

Previews

White Background



This preview shows how the CIELCh color 46, 40.835, 130.562 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, 40.835, 130.562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

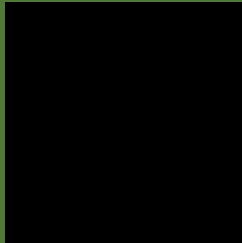
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 40.835, 130.562

Background



This preview shows how black text looks on a background with the CIELCh color 46, 40.835, 130.562.



This preview shows how white text looks on a background with the CIELCh color 46, 40.835, 130.562.

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, 40.835, 130.562

Protanopia
46, 33.707, 96.457

Deuteranopia
46, 29.909, 77.676



Tritanopia
46, 9.651, 232.517

Trichromacy



Original Color
46, 40.835, 130.562

Protanomaly
46, 34.880, 111.484

Deuteranomaly
45, 30.148, 101.399

Tritanomaly
46, 15.976, 155.717

Monochromacy



Original Color
46, 40.835, 130.562

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 15.534, 130.993

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 40.835, 130.562 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(80, 120, 55)` looks like.

```
.text, #text, p{  
    color:rgb(80, 120, 55)  
}
```

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(80, 120, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 120, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 40.835, 130.562 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(80, 120, 55) }
```

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

```
.border{ border-color:rgb(80, 120, 55) }
```

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

Here you see how a box with a 4 pixel rgb(80, 120, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 120, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 120, 55);  
box-shadow:4px 4px 4px 4px rgb(80, 120,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 40.835, 130.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 120, 55) }
```

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

```
.background{ background-color: rgb(80, 120,  
55) }
```

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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