

Converting Colors

CIELCh(46, 34.250, 142.213)

Have a look what the booklet for
CIELCh(46, 34.250, 142.213)
contains.

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Color

CIELCh(46, 34.132, 142.577)

Conversions

Conversions Part 1

Format	Color
Hex	477849
RGB	71, 120, 73
RGB Percent	28%, 47%, 29%
CMY	0.7214, 0.5292, 0.7135
CMYK	0.41, 0.00, 0.39, 0.53
HSL	122°, 26%, 37%
HSV	122°, 41%, 47%
XYZ	10.5292, 15.2687, 8.7038
YIQ	99.9910, -14.1170, -25.0050

Conversions

Conversions Part 2

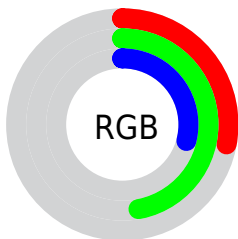
Format	Color
RYB	71, 118, 120
Decimal	4683849
CIELab	46.00, -27.11, 20.74
CIElCh	46, 34.132, 142.577
Yxy	15.2687, 0.3052, 0.4425
Android (android.graphics.Color)	4282873929 (0xFF477849)
YUV	99.9910, -13.3066, -25.4251
Hunter-Lab	39.0751, -20.2830, 14.1461

Details

The CIELCh color **46, 34.132, 142.577** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **38, 34.073, 327.697**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 34.358, 142.426**, and **26, 34.238, 142.515** is the 20% darker color. If you saturate the color by 10%, you get **45, 41.993, 141.560**, and if you desaturate by 10%, it is **47, 25.913, 143.479**.

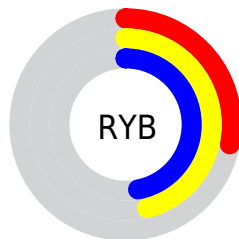
Distribution



Red (28%)

Green (47%)

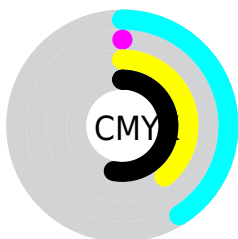
Blue (29%)



Red (28%)

Yellow (46%)

Blue (47%)

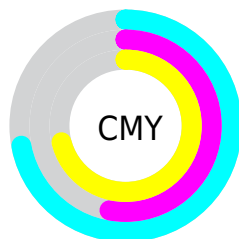


Cyan (41%)

Magenta (0%)

Yellow (39%)

Black (53%)



Cyan (72%)


Magenta (53%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 34.132, 142.577 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, 34.132, 142.577 by changing the saturation by 10% instead.


 46, 34.132,
142.577


 46, 34.132,
142.577


 100, 34.132,
142.577


 36, 34.132,
142.577

 66, 34.132,
142.577


 26, 34.132,
142.577

 76, 34.132,
142.577

 16, 34.132,
142.577

 86, 34.132,
142.577

 6, 34.132, 142.577

 96, 34.132,
142.577

 0, 34.132, 142.577

 46, 34.132,

 46, 34.132,

142.577

142.577

■ 45, 41.993,
141.560

■ 47, 25.913,
143.479

■ 45, 49.279,
140.444

■ 48, 17.509,
144.265

■ 44, 55.742,
139.278

■ 49, 9.061, 144.949

■ 44, 61.109,
138.144

■ 50, 0.675, 145.778

■ 52, 7.572, 325.974

■ 44, 65.109,
137.158

■ 53, 15.627,
326.408

■ 43, 67.708,
136.565

■ 55, 23.458,
326.773

■ 56, 31.046,
327.086

■ 58, 38.385,

Harmonies

Complementary

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



46, 34.132, 142.577



38, 34.073, 327.697

Rectangle

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



46, 34.132, 142.577



46, 34.132, 192.577



46, 34.132, 322.577



46, 34.132, 12.577

Sweetspot

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



46, 34.133, 142.577



62, 12.436, 144.853



49, 28.052, 107.948



32, 8.317, 144.789



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, 34.133, 142.577



58, 50.102, 141.626



47, 23.430, 161.596



25, 4.787, 145.059



45, 69.720, 136.540



87, 118.224, 136.239

Inverse Universe

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



38, 34.073, 327.697



46, 49.845, 328.154



37, 24.764, 349.503



24, 4.796, 326.008



29, 66.059, 329.864



59, 111.016, 329.956

Previews

White Background



This preview shows how the CIELCh color 46, 34.132, 142.577 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 CIE LCh color 46, 34.132, 142.577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

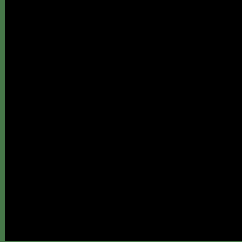
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 34.132, 142.577

Background



This preview shows how black text looks on a background with the CIELCh color 46, 34.132, 142.577.



This preview shows how white text looks on a background with the CIELCh color 46, 34.132, 142.577.

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, 34.132, 142.577

Protanopia

46, 23.906, 95.631

Deuteranopia

46, 19.896, 72.534



Tritanopia
46, 12.855, 223.006

Trichromacy



Original Color
46, 34.132, 142.577

Protanomaly
45, 24.962, 118.175

Deuteranomaly
45, 19.956, 109.934

Tritanomaly
46, 16.451, 174.051

Monochromacy



Original Color
46, 34.132, 142.577

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 12.724, 144.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 34.132, 142.577 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(71, 120, 73)` looks like.

```
.text, #text, p{  
    color:rgb(71, 120, 73)  
}
```

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(71, 120, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 120, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 34.132, 142.577 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(71, 120, 73) }
```

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

```
.border{ border-color:rgb(71, 120, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 120, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 120, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 120, 73);  
box-shadow:4px 4px 4px 4px rgb(71, 120,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 34.132, 142.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 120, 73) }
```

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

```
.background{ background-color: rgb(71, 120,  
73) }
```

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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