

Converting Colors

CIELCh(46, 32.909, 144.768)

Have a look what the booklet for
CIELCh(46, 32.909, 144.768)
contains.

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Color

CIELCh(46, 32.950, 144.737)

Conversions

Conversions Part 1

Format	Color
Hex	46784C
RGB	70, 120, 76
RGB Percent	27%, 47%, 30%
CMY	0.7253, 0.5292, 0.7018
CMYK	0.42, 0.00, 0.37, 0.53
HSL	127°, 26%, 37%
HSV	127°, 42%, 47%
XYZ	10.5558, 15.2687, 9.2352
YIQ	100.0340, -15.6760, -24.2840

Conversions

Conversions Part 2

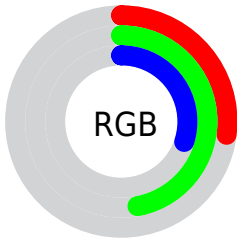
Format	Color
RYB	70, 115, 120
Decimal	4618316
CIELab	46.00, -26.90, 19.02
CIElCh	46, 32.950, 144.737
Yxy	15.2687, 0.3011, 0.4355
Android (android.graphics.Color)	4282808396 (0xFF46784C)
YUV	100.0340, -11.8488, -26.3398
Hunter-Lab	39.0751, -20.1612, 13.3398

Details

The CIELCh color **46, 32.950, 144.737** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **37, 32.928, 330.252**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 33.232, 144.468**, and **26, 33.000, 144.634** is the 20% darker color. If you saturate the color by 10%, you get **45, 40.399, 143.664**, and if you desaturate by 10%, it is **47, 25.178, 145.679**.

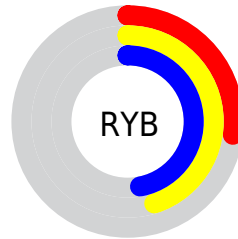
Distribution



Red (27%)

Green (47%)

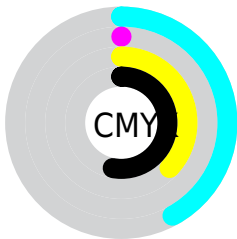
Blue (30%)



Red (27%)

Yellow (45%)

Blue (47%)

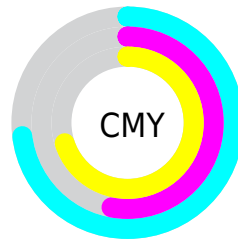


Cyan (42%)

Magenta (0%)

Yellow (37%)

Black (53%)



Cyan (73%)


Magenta (53%)


Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 32.950, 144.737 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, 32.950, 144.737 by changing the saturation by 10% instead.


 46, 32.950,
144.737


 46, 32.950,
144.737


 100, 32.950,
144.737


 36, 32.950,
144.737

 66, 32.950,
144.737


 26, 32.950,
144.737

 76, 32.950,
144.737

 16, 32.950,
144.737

 86, 32.950,
144.737

 6, 32.950, 144.737

 96, 32.950,
144.737

 0, 32.950, 144.737

 46, 32.950,

 46, 32.950,

144.737

144.737

■ 45, 40.399,
143.664

■ 47, 25.178,
145.679

■ 45, 47.346,
142.463

■ 48, 17.232,
146.498

■ 44, 53.597,
141.158

■ 49, 9.240, 147.210

■ 44, 58.946,
139.803

■ 50, 1.298, 147.947

■ 52, 6.521, 328.286

■ 44, 63.198,
138.485

■ 53, 14.166,
328.754

■ 43, 65.941,
137.658

■ 55, 21.605,
329.151

■ 56, 28.819,
329.495

■ 58, 35.799,

329.796

Harmonies

Complementary

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



46, 32.950, 144.737



37, 32.928, 330.252

Rectangle

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



46, 32.950, 144.737



46, 32.950, 194.737



46, 32.950, 324.737



46, 32.950, 14.737

Sweetspot

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



46, 32.951, 144.737



62, 11.766, 147.167



49, 28.721, 111.630



32, 7.869, 147.101



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, 32.951, 144.737



58, 48.376, 143.713



47, 22.308, 166.347



25, 4.530, 147.381



45, 67.960, 137.600



87, 116.217, 136.946

Inverse Universe

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



37, 32.928, 330.252



45, 48.131, 330.798



36, 24.268, 354.972



24, 4.540, 328.365



28, 62.207, 333.466



58, 104.209, 333.787

Previews

White Background



This preview shows how the CIELCh color 46, 32.950, 144.737 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, 32.950, 144.737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

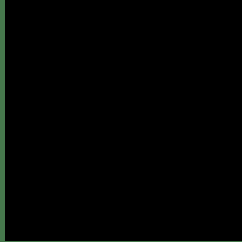
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 32.950, 144.737

Background



This preview shows how black text looks on a background with the CIELCh color 46, 32.950, 144.737.



This preview shows how white text looks on a background with the CIELCh color 46, 32.950, 144.737.

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, 32.950, 144.737

Protanopia

46, 22.223, 95.098

Deuteranopia

46, 18.125, 70.931



Tritanopia
46, 13.145, 222.398

Trichromacy



Original Color
46, 32.950, 144.737

Protanomaly
45, 23.301, 119.157

Deuteranomaly
45, 18.262, 111.795

Tritanomaly
46, 16.475, 176.308

Monochromacy



Original Color
46, 32.950, 144.737

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 12.239, 146.598

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 32.950, 144.737 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(70, 120, 76)` looks like.

```
.text, #text, p{  
    color:rgb(70, 120, 76)  
}
```

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(70, 120, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 120, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 32.950, 144.737 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(70, 120, 76) }
```

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

```
.border{ border-color:rgb(70, 120, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 120, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 120, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 120, 76);  
box-shadow:4px 4px 4px 4px rgb(70, 120,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 32.950, 144.737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 120, 76) }
```

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

```
.background{ background-color: rgb(70, 120,  
76) }
```

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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