

Converting Colors

CIELCh(46, 36.819, 154.086)

Have a look what the booklet for
CIELCh(46, 36.819, 154.086)
contains.

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Color

CIELCh(46, 36.501, 154.309)

Conversions

Conversions Part 1

Format	Color
Hex	317A51
RGB	49, 122, 81
RGB Percent	19%, 48%, 32%
CMY	0.8063, 0.5202, 0.6811
CMYK	0.60, 0.00, 0.34, 0.52
HSL	146°, 42%, 34%
HSV	146°, 60%, 48%
XYZ	9.7862, 15.2687, 10.2810
YIQ	95.4990, -30.3470, -28.2270

Conversions

Conversions Part 2

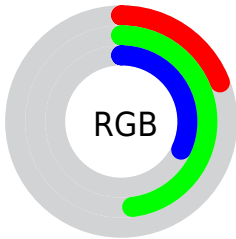
Format	Color
R_{YB}	49, 100, 122
Decimal	3242577
CIE Lab	46.00, -32.89, 15.82
CIE LCh	46, 36.501, 154.309
Yxy	15.2687, 0.2769, 0.4321
Android (android.graphics.Color)	4281432657 (0xFF317A51)
YUV	95.4990, -7.1480, -40.7796
Hunter-Lab	39.0751, -23.6768, 11.7529

Details


The CIELCh color **46, 36.501, 154.309** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **32, 37.727, 346.315**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 36.320, 154.642**, and **26, 33.919, 151.788** is the 20% darker color. If you saturate the color by 10%, you get **46, 41.619, 152.764**, and if you desaturate by 10%, it is **47, 30.936, 155.675**.

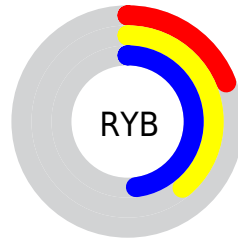
Distribution



 Red (19%)

 Green (48%)

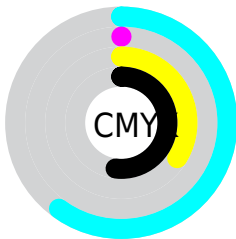
 Blue (32%)




 Red (19%)

 Yellow (39%)

 Blue (48%)

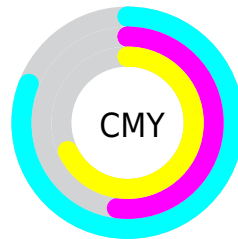



 Cyan (60%)


 Magenta (0%)

 Yellow (34%)

 Black (52%)



 Cyan (81%)


 Magenta (52%)


 Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 36.501, 154.309 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, 36.501, 154.309 by changing the saturation by 10% instead.


 46, 36.501,
154.309


 46, 36.501,
154.309


 100, 36.501,
154.309


 36, 36.501,
154.309

 66, 36.501,
154.309


 26, 36.501,
154.309

 76, 36.501,
154.309

 16, 36.501,
154.309

 86, 36.501,
154.309

 6, 36.501, 154.309

 96, 36.501,
154.309

 0, 36.501, 154.309

 46, 36.501,

 46, 36.501,

154.309

154.309

■ 46, 41.619,
152.764

■ 47, 30.936,
155.675

■ 45, 46.212,
151.028

■ 47, 25.019,
156.880

■ 45, 50.236,
149.104

■ 48, 18.851,
157.946

■ 45, 53.841,
147.165

■ 49, 12.532,
158.895

■ 45, 53.969,
147.101

■ 50, 6.146, 159.758

■ 51, 0.232, 339.317

■ 53, 6.547, 341.113

■ 54, 12.756,
341.756

■ 56, 18.828,

Harmonies

Complementary

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



46, 36.501, 154.309



32, 37.727, 346.315

Rectangle

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



46, 36.501, 154.309



46, 36.501, 204.309



46, 36.501, 334.309



46, 36.501, 24.309

Sweetspot

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



46, 36.502, 154.309



63, 14.165, 159.004



48, 43.038, 124.070



32, 9.786, 158.788



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, 36.502, 154.309



58, 52.469, 152.080



47, 24.103, 189.915



25, 3.591, 159.806



46, 54.848, 147.048



88, 94.909, 145.764

Inverse Universe

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



32, 37.727, 346.315



38, 53.327, 348.592



31, 34.809, 21.996



24, 3.624, 341.079



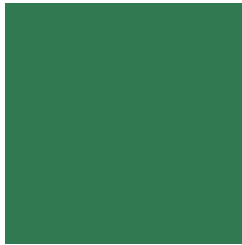
26, 51.023, 354.950



55, 85.204, 356.993

Previews

White Background



This preview shows how the CIE LCh color 46, 36.501, 154.309 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, 36.501, 154.309 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, 36.501, 154.309

Background



This preview shows how black text looks on a background with the CIELCh color 46, 36.501, 154.309.



This preview shows how white text looks on a background with the CIELCh color 46, 36.501, 154.309.

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, 36.501, 154.309

Protanopia
46, 19.860, 95.467

Deuteranopia
46, 15.439, 66.430



Tritanopia
46, 18.544, 214.514

Trichromacy



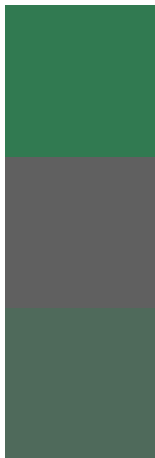
Original Color
46, 36.501, 154.309

Protanomaly
45, 23.045, 130.549

Deuteranomaly
45, 16.767, 126.002

Tritanomaly
46, 22.170, 182.915

Monochromacy



Original Color
46, 36.501, 154.309

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 14.351, 158.712

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 36.501, 154.309 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(49, 122, 81)` looks like.

```
.text, #text, p{  
    color:rgb(49, 122, 81)  
}
```

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(49, 122, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 122, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 36.501, 154.309 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(49, 122, 81) }
```

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

```
.border{ border-color:rgb(49, 122, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 122, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 122, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 122, 81);  
box-shadow:4px 4px 4px 4px rgb(49, 122,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 36.501, 154.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 122, 81) }
```

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

```
.background{ background-color: rgb(49, 122,  
81) }
```

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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