

Converting Colors

CIELCh(46, 24.585, 142.580)

Have a look what the booklet for
CIELCh(46, 24.585, 142.580)
contains.

CIELCh(46, 24.604, 142.547)	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, 24.604, 142.547)

Conversions

Conversions Part 1

Format	Color
Hex	537553
RGB	83, 117, 83
RGB Percent	33%, 46%, 33%
CMY	0.6734, 0.5401, 0.6735
CMYK	0.29, 0.00, 0.29, 0.54
HSL	120°, 17%, 39%
HSV	120°, 29%, 46%
XYZ	11.5573, 15.2687, 10.5757
YIQ	102.9580, -9.3500, -17.7820

Conversions

Conversions Part 2

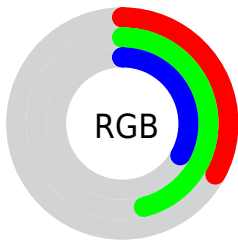
Format	Color
RYB	83, 117, 117
Decimal	5469523
CIELab	46.00, -19.53, 14.96
CIElCh	46, 24.604, 142.547
Yxy	15.2687, 0.3090, 0.4082
Android (android.graphics.Color)	4283659603 (0xFF537553)
YUV	102.9580, -9.8393, -17.5032
Hunter-Lab	39.0751, -15.5864, 11.3058

Details

The CIELCh color **46, 24.604, 142.547** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **40, 24.607, 325.933**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 24.371, 143.089**, and **26, 24.170, 142.899** is the 20% darker color. If you saturate the color by 10%, you get **45, 32.931, 141.683**, and if you desaturate by 10%, it is **47, 16.114, 143.302**.

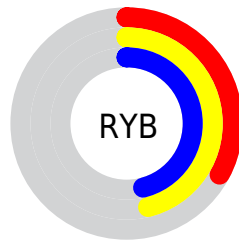
Distribution



Red (33%)

Green (46%)

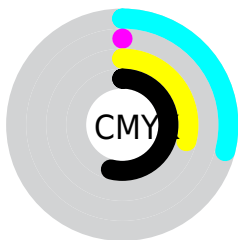
Blue (33%)



Red (33%)

Yellow (46%)

Blue (46%)

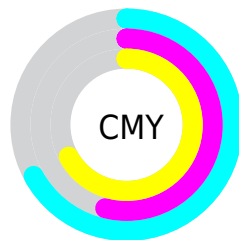


Cyan (29%)

Magenta (0%)

Yellow (29%)

Black (54%)



Cyan (67%)

Magenta (54%)

Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 24.604, 142.547 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, 24.604, 142.547 by changing the saturation by 10% instead.

 46, 24.604,
142.547


 46, 24.604,
142.547


 100, 24.604,
142.547

 36, 24.604,
142.547

 66, 24.604,
142.547


 26, 24.604,
142.547

 76, 24.604,
142.547

 16, 24.604,
142.547

 86, 24.604,
142.547

 6, 24.604, 142.547

 96, 24.604,
142.547

 0, 24.604, 142.547

 46, 24.604,

 46, 24.604,

142.547

142.547

■ 45, 32.931,
141.683

■ 47, 16.114,
143.302

■ 44, 40.911,
140.711

■ 48, 7.598, 143.960

■ 44, 48.323,
139.656

■ 49, 0.840, 324.280

■ 51, 9.125, 324.939

■ 43, 54.896,
138.572

■ 52, 17.209,
325.347

■ 43, 60.324,
137.553

■ 54, 25.061,
325.691

■ 43, 64.306,
136.727

■ 56, 32.666,
325.984

■ 42, 67.186,
136.083

■ 57, 40.019,
326.235

■ 42, 67.480,
136.015

■ 59, 47.121,

Harmonies

Complementary

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



46, 24.604, 142.547



40, 24.607, 325.933

Rectangle

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



46, 24.604, 142.547



46, 24.604, 192.547



46, 24.604, 322.547



46, 24.604, 12.547

Sweetspot

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



46, 24.605, 142.547



62, 9.443, 143.946



48, 19.430, 106.800



32, 6.528, 143.872



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, 24.605, 142.547



58, 36.815, 141.963



46, 17.199, 160.265



24, 4.749, 143.958



44, 69.575, 136.015



86, 117.958, 136.016

Inverse Universe

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



40, 24.607, 325.933



50, 36.786, 326.277



40, 17.748, 345.246



23, 4.757, 324.885



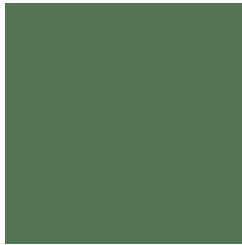
28, 67.130, 328.227



59, 113.812, 328.226

Previews

White Background



This preview shows how the CIE LCh color 46, 24.604, 142.547 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, 24.604, 142.547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

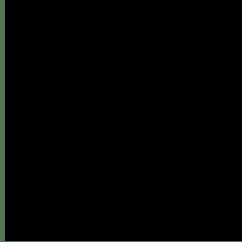
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 24.604, 142.547

Background



This preview shows how black text looks on a background with the CIELCh color 46, 24.604, 142.547.



This preview shows how white text looks on a background with the CIELCh color 46, 24.604, 142.547.

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, 24.604, 142.547

Protanopia

46, 17.586, 94.365

Deuteranopia

46, 14.982, 65.068



Tritanopia
46, 9.651, 232.517

Trichromacy



Original Color
46, 24.604, 142.547

Protanomaly
46, 17.822, 116.242

Deuteranomaly
46, 14.182, 104.602

Tritanomaly
46, 11.106, 176.089

Monochromacy



Original Color
46, 24.604, 142.547

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 8.773, 143.838

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 24.604, 142.547 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(83, 117, 83)` looks like.

```
.text, #text, p{  
    color:rgb(83, 117, 83)  
}
```

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(83, 117, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 117, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 24.604, 142.547 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(83, 117, 83) }
```

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

```
.border{ border-color:rgb(83, 117, 83) }
```

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

Here you see how a box with a 4 pixel rgb(83, 117, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 117, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 117, 83);  
box-shadow:4px 4px 4px 4px rgb(83, 117,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 24.604, 142.547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 117, 83) }
```

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

```
.background{ background-color: rgb(83, 117,  
83) }
```

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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