

Converting Colors

CIELCh(46, 21.753, 141.718)

Have a look what the booklet for
CIELCh(46, 21.753, 141.718)
contains.

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Color

CIELCh(46, 21.516, 141.990)

Conversions

Conversions Part 1

Format	Color
Hex	577456
RGB	87, 116, 86
RGB Percent	34%, 45%, 34%
CMY	0.6578, 0.5440, 0.6617
CMYK	0.25, 0.00, 0.26, 0.54
HSL	118°, 15%, 40%
HSV	118°, 26%, 46%
XYZ	11.9221, 15.2687, 11.1777
YIQ	103.9090, -7.6540, -15.4780

Conversions

Conversions Part 2

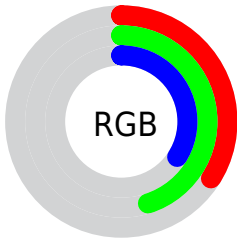
Format	Color
R_{YB}	86, 116, 115
Decimal	5731414
CIE _{Lab}	46.00, -16.95, 13.25
CIE _{LCh}	46, 21.516, 141.990
Yxy	15.2687, 0.3107, 0.3979
Android (android.graphics.Color)	4283921494 (0xFF577456)
YUV	103.9090, -8.8291, -14.8292
Hunter-Lab	39.0751, -13.9199, 10.3923

Details

The CIELCh color $46, 21.516, 141.990$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $41, 21.558, 324.826$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 21.456, 142.476$, and $26, 21.635, 142.696$ is the 20% darker color. If you saturate the color by 10%, you get $45, 29.775, 141.208$, and if you desaturate by 10%, it is $47, 13.154, 142.675$.

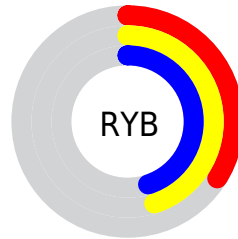
Distribution



 Red (34%)

 Green (45%)

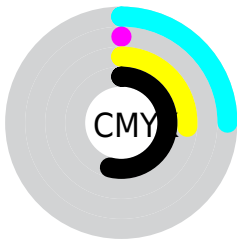
 Blue (34%)



 Red (34%)

 Yellow (45%)

 Blue (45%)

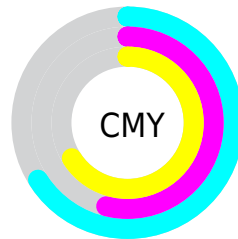


 Cyan (25%)


 Magenta (0%)

 Yellow (26%)

 Black (54%)



 Cyan (66%)


 Magenta (54%)


 Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 21.516, 141.990 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, 21.516, 141.990 by changing the saturation by 10% instead.


 46, 21.516,
141.990


 46, 21.516,
141.990


 100, 21.516,
141.990


 36, 21.516,
141.990

 66, 21.516,
141.990


 26, 21.516,
141.990

 76, 21.516,
141.990

 16, 21.516,
141.990

 86, 21.516,
141.990

 6, 21.516, 141.990

 96, 21.516,
141.990

 0, 21.516, 141.990

 46, 21.516,

 46, 21.516,

141.990

■ 45, 29.775,
141.208

■ 44, 37.773,
140.329

■ 44, 45.311,
139.372

■ 43, 52.145,
138.380

■ 43, 57.985,
137.436

■ 42, 62.516,
136.654

■ 42, 65.631,
136.067

■ 42, 66.844,
135.776

141.990

■ 47, 13.154,
142.675

■ 48, 4.806, 143.283

■ 49, 3.442, 323.700

■ 51, 11.527,
324.162

■ 52, 19.411,
324.532

■ 54, 27.069,
324.845

■ 56, 34.490,
325.112

■ 57, 41.671,
325.341

■ 59, 48.615,
325.537

Harmonies

Complementary

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



46, 21.516, 141.990



41, 21.558, 324.826

Rectangle

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



46, 21.516, 141.990



46, 21.516, 191.990



46, 21.516, 321.990



46, 21.516, 11.990

Sweetspot

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



46, 21.517, 141.990



61, 8.183, 143.141



48, 16.656, 105.622



32, 5.866, 143.065



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, 21.517, 141.990



58, 31.884, 141.536



46, 15.623, 158.923



24, 4.698, 143.091



44, 69.359, 135.790



86, 117.804, 135.921

Inverse Universe

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



41, 21.558, 324.826



50, 31.937, 325.116



40, 15.997, 343.135



23, 4.708, 323.978



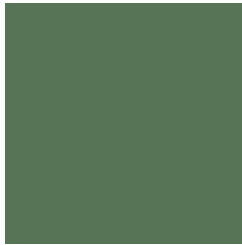
28, 67.232, 326.962



58, 113.997, 326.892

Previews

White Background



This preview shows how the CIELCh color 46, 21.516, 141.990 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, 21.516, 141.990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

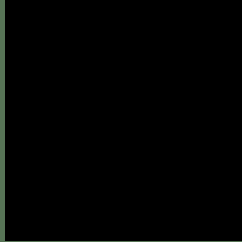
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 21.516, 141.990

Background



This preview shows how black text looks on a background with the CIELCh color 46, 21.516, 141.990.



This preview shows how white text looks on a background with the CIELCh color 46, 21.516, 141.990.

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

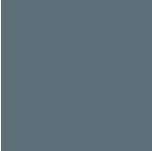
46, 21.516, 141.990

Protanopia

46, 15.194, 94.468

Deuteranopia

46, 13.329, 61.655



Tritanopia
46, 8.793, 236.424

Trichromacy



Original Color
46, 21.516, 141.990

Protanomaly
46, 16.033, 115.806

Deuteranomaly
45, 11.955, 100.057

Tritanomaly
46, 9.810, 176.953

Monochromacy



Original Color
46, 21.516, 141.990

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 7.302, 143.953

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 21.516, 141.990 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(87, 116, 86)` looks like.

```
.text, #text, p{  
    color:rgb(87, 116, 86)  
}
```

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(87, 116, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 116, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 21.516, 141.990 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(87, 116, 86) }
```

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

```
.border{ border-color:rgb(87, 116, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 116, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 116, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 116, 86);  
box-shadow:4px 4px 4px 4px rgb(87, 116,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 21.516, 141.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 116, 86) }
```

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

```
.background{ background-color: rgb(87, 116,  
86) }
```

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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