

Converting Colors

CIELCh(46, 19.857, 146.568)

Have a look what the booklet for
CIELCh(46, 19.857, 146.568)
contains.

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Color

CIELCh(46, 19.827, 146.584)

Conversions

Conversions Part 1

Format	Color
Hex	56745A
RGB	86, 116, 90
RGB Percent	34%, 45%, 35%
CMY	0.6620, 0.5443, 0.6463
CMYK	0.26, 0.00, 0.22, 0.54
HSL	128°, 15%, 40%
HSV	128°, 26%, 46%
XYZ	11.9798, 15.2687, 12.0331
YIQ	104.0660, -9.5340, -14.4460

Conversions

Conversions Part 2

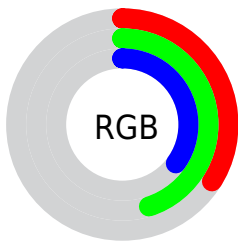
Format	Color
R_{YB}	86, 112, 116
Decimal	5665882
CIE _{Lab}	46.00, -16.55, 10.92
CIE _{LCh}	46, 19.827, 146.584
Yxy	15.2687, 0.3050, 0.3887
Android (android.graphics.Color)	4283855962 (0xFF56745A)
YUV	104.0660, -6.9345, -15.8439
Hunter-Lab	39.0751, -13.6563, 9.0943

Details


The CIELCh color **46, 19.827, 146.584** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **41, 19.871, 329.766**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 19.875, 146.803**, and **26, 20.337, 146.575** is the 20% darker color. If you saturate the color by 10%, you get **45, 27.441, 145.715**, and if you desaturate by 10%, it is **47, 12.125, 147.339**.

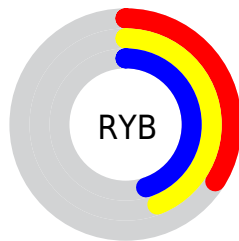
Distribution



 Red (34%)

 Green (45%)

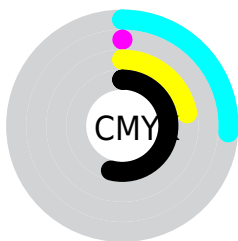
 Blue (35%)




 Red (34%)

 Yellow (44%)

 Blue (45%)

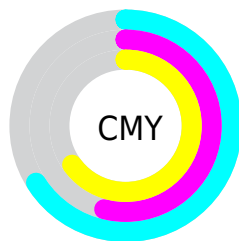



 Cyan (26%)


 Magenta (0%)

 Yellow (22%)

 Black (54%)



 Cyan (66%)


 Magenta (54%)


 Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 19.827, 146.584 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, 19.827, 146.584 by changing the saturation by 10% instead.


 46, 19.827,
146.584


 46, 19.827,
146.584


 100, 19.827,
146.584


 36, 19.827,
146.584

 66, 19.827,
146.584


 26, 19.827,
146.584

 76, 19.827,
146.584

 16, 19.827,
146.584


 86, 19.827,
146.584

 6, 19.827, 146.584

 96, 19.827,
146.584

 0, 19.827, 146.584

 46, 19.827,

 46, 19.827,

146.584

146.584

■ 45, 27.441,
145.715

■ 47, 12.125,
147.339

■ 44, 34.834,
144.719

■ 48, 4.435, 148.013

■ 44, 41.854,
143.588

■ 49, 3.164, 328.465

■ 51, 10.615,
328.991

■ 43, 48.329,
142.332

■ 52, 17.879,
329.418

■ 43, 54.074,
140.980

■ 54, 24.935,
329.787

■ 42, 58.901,
139.593

■ 55, 31.769,
330.110

■ 42, 62.684,
138.314

■ 57, 38.378,
330.395

■ 42, 64.009,
137.931

■ 59, 44.765,
330.647

Harmonies

Complementary

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



46, 19.827, 146.584



41, 19.871, 329.766

Rectangle

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



46, 19.827, 146.584



46, 19.827, 196.584



46, 19.827, 326.584



46, 19.827, 16.584

Sweetspot

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



46, 19.828, 146.584



61, 7.542, 147.855



48, 17.551, 112.813



32, 5.406, 147.771



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, 19.828, 146.584



58, 29.385, 146.081



46, 13.763, 168.112



24, 4.330, 147.800



44, 66.561, 137.850



86, 114.826, 137.126

Inverse Universe

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



41, 19.871, 329.766



50, 29.437, 330.116



40, 14.496, 352.919



23, 4.340, 328.782



27, 60.696, 334.116



57, 102.337, 334.493

Previews

White Background



This preview shows how the CIE LCh color 46, 19.827, 146.584 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, 19.827, 146.584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

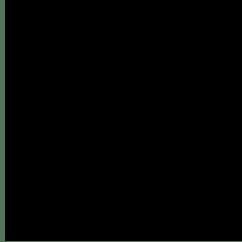
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 19.827, 146.584

Background



This preview shows how black text looks on a background with the CIELCh color 46, 19.827, 146.584.



This preview shows how white text looks on a background with the CIELCh color 46, 19.827, 146.584.

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, 19.827, 146.584

Protanopia

46, 13.368, 94.925

Deuteranopia

46, 11.368, 58.563



Tritanopia
46, 9.076, 235.034

Trichromacy



Original Color
46, 19.827, 146.584

Protanomaly
46, 13.809, 119.118

Deuteranomaly
46, 10.082, 103.835

Tritanomaly
46, 9.714, 184.108

Monochromacy



Original Color
46, 19.827, 146.584

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 6.815, 146.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 19.827, 146.584 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(86, 116, 90)` looks like.

```
.text, #text, p{  
    color:rgb(86, 116, 90)  
}
```

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(86, 116, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 116, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 19.827, 146.584 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(86, 116, 90) }
```

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

```
.border{ border-color:rgb(86, 116, 90) }
```

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

Here you see how a box with a 4 pixel rgb(86, 116, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 116, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 116, 90);  
box-shadow:4px 4px 4px 4px rgb(86, 116,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 19.827, 146.584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 116, 90) }
```

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

```
.background{ background-color: rgb(86, 116,  
90) }
```

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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