

Converting Colors

CIELCh(46, 29.630, 149.002)

Have a look what the booklet for
CIELCh(46, 29.630, 149.002)
contains.

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Color

CIELCh(46, 29.726, 149.327)

Conversions

Conversions Part 1

Format	Color
Hex	467853
RGB	70, 120, 83
RGB Percent	27%, 47%, 33%
CMY	0.7267, 0.5306, 0.6757
CMYK	0.42, 0.00, 0.31, 0.53
HSL	136°, 26%, 37%
HSV	136°, 42%, 47%
XYZ	10.7330, 15.2687, 10.5060
YIQ	100.8320, -17.9230, -22.1070

Conversions

Conversions Part 2

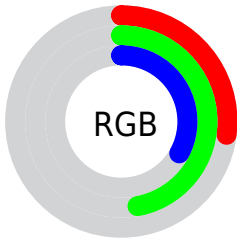
Format	Color
R_YB	70, 110, 120
Decimal	4618323
CIE Lab	46.00, -25.57, 15.16
CIE LCh	46, 29.726, 149.327
Yxy	15.2687, 0.2940, 0.4182
Android (android.graphics.Color)	4282808403 (0xFF467853)
YUV	100.8320, -8.7912, -27.0397
Hunter-Lab	39.0751, -19.3520, 11.4116

Details

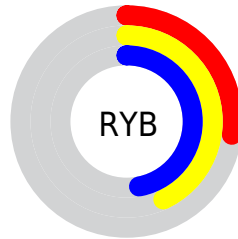
The CIELCh color $46, 29.726, 149.327$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $37, 29.942, 335.554$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 29.739, 149.340$, and $26, 29.647, 149.568$ is the 20% darker color. If you saturate the color by 10%, you get $45, 36.440, 148.178$, and if you desaturate by 10%, it is $47, 22.740, 150.331$.

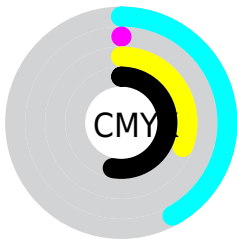
Distribution



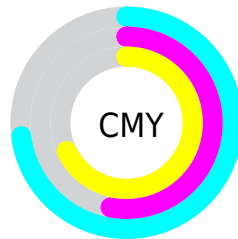
- Red (27%)
- Green (47%)
- Blue (33%)



- Red (27%)
- Yellow (43%)
- Blue (47%)



- Cyan (42%)
- Magenta (0%)
- Yellow (31%)
- Black (53%)




- Cyan (73%)
- Magenta (53%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 29.726, 149.327 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, 29.726, 149.327 by changing the saturation by 10% instead.


 46, 29.726,
149.327


 46, 29.726,
149.327


 100, 29.726,
149.327


 36, 29.726,
149.327

 66, 29.726,
149.327


 26, 29.726,
149.327

 76, 29.726,
149.327

 16, 29.726,
149.327

 86, 29.726,
149.327

 6, 29.726, 149.327

 96, 29.726,
149.327

 0, 29.726, 149.327

 46, 29.726,

 46, 29.726,

149.327

149.327

■ 45, 36.440,
148.178

■ 47, 22.740,
150.331

■ 45, 42.748,
146.870

■ 48, 15.600,
151.207

■ 44, 48.521,
145.401

■ 49, 8.409, 151.980

■ 44, 53.637,
143.785

■ 50, 1.251, 152.797

■ 51, 5.810, 333.164

■ 44, 58.001,
142.059

■ 53, 12.727,
333.702

■ 43, 61.141,
140.774

■ 54, 19.470,
334.168

■ 56, 26.019,
334.582

■ 57, 32.364,

334.955

Harmonies

Complementary

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



46, 29.726, 149.327



37, 29.942, 335.554

Rectangle

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



46, 29.726, 149.327



46, 29.726, 199.327



46, 29.726, 329.327



46, 29.726, 19.327

Sweetspot

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



46, 29.727, 149.327



62, 11.521, 151.865



48, 29.187, 117.420



32, 8.130, 151.726



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, 29.727, 149.327



58, 43.650, 148.242



47, 20.118, 175.504



24, 3.950, 152.180



44, 62.201, 140.726



86, 108.143, 139.646

Inverse Universe

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



37, 29.942, 335.554



45, 43.809, 336.294



36, 23.230, 4.441



23, 3.966, 333.256



26, 55.398, 341.441



56, 93.024, 342.391

Previews

White Background



This preview shows how the CIELCh color 46, 29.726, 149.327 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, 29.726, 149.327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

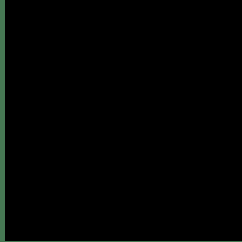
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 29.726, 149.327

Background



This preview shows how black text looks on a background with the CIELCh color 46, 29.726, 149.327.



This preview shows how white text looks on a background with the CIELCh color 46, 29.726, 149.327.

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, 29.726, 149.327

Protanopia

46, 18.155, 94.675

Deuteranopia

46, 14.982, 65.068



Tritanopia
46, 13.609, 224.295

Trichromacy



Original Color
46, 29.726, 149.327

Protanomaly
45, 19.520, 123.178

Deuteranomaly
45, 14.841, 114.871

Tritanomaly
46, 15.713, 182.200

Monochromacy



Original Color
46, 29.726, 149.327

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 11.277, 150.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 29.726, 149.327 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(70, 120, 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(70, 120, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 120, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 29.726, 149.327 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, 83) }
```

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

```
.border{ border-color:rgb(70, 120, 83) }
```

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, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 120, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 120, 83);  
box-shadow:4px 4px 4px 4px rgb(70, 120,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 29.726, 149.327 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, 83) }
```

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

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