

Converting Colors

CIELCh(46, 28.490, 152.067)

Have a look what the booklet for
CIELCh(46, 28.490, 152.067)
contains.

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Color

CIELCh(46, 28.623, 152.026)

Conversions

Conversions Part 1

Format	Color
Hex	457856
RGB	69, 120, 86
RGB Percent	27%, 47%, 34%
CMY	0.7307, 0.5308, 0.6640
CMYK	0.43, 0.00, 0.28, 0.53
HSL	140°, 27%, 37%
HSV	140°, 43%, 47%
XYZ	10.7714, 15.2687, 11.1145
YIQ	100.8750, -19.4820, -21.3860

Conversions

Conversions Part 2

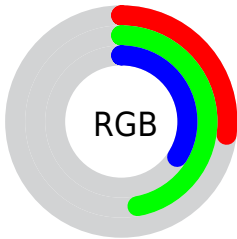
Format	Color
R_{YB}	69, 107, 120
Decimal	4552790
CIE _{Lab}	46.00, -25.28, 13.43
CIE _{LCh}	46, 28.623, 152.026
Yxy	15.2687, 0.2899, 0.4109
Android (android.graphics.Color)	4282742870 (0xFF457856)
YUV	100.8750, -7.3334, -27.9544
Hunter-Lab	39.0751, -19.1763, 10.4881

Details

The CIELCh color $46, 28.623, 152.026$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $36, 29.062, 338.888$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 28.718, 151.910$, and $26, 28.387, 152.334$ is the 20% darker color. If you saturate the color by 10%, you get $45, 34.914, 150.826$, and if you desaturate by 10%, it is $47, 22.060, 153.077$.

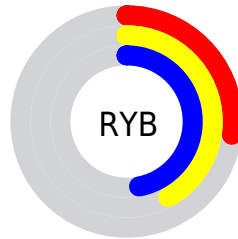
Distribution



Red (27%)

Green (47%)

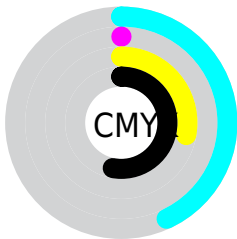
Blue (34%)



Red (27%)

Yellow (42%)

Blue (47%)

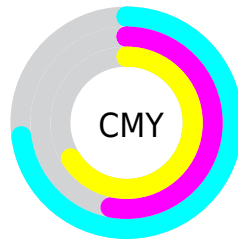


Cyan (43%)

Magenta (0%)

Yellow (28%)

Black (53%)



Cyan (73%)

Magenta (53%)

Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 28.623, 152.026 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, 28.623, 152.026 by changing the saturation by 10% instead.

 46, 28.623,
152.026


 46, 28.623,
152.026

 100, 28.623,
152.026

 36, 28.623,
152.026

 66, 28.623,
152.026


 26, 28.623,
152.026

 76, 28.623,
152.026

 16, 28.623,
152.026

 86, 28.623,
152.026

 6, 28.623, 152.026

 96, 28.623,
152.026

 0, 28.623, 152.026

 46, 28.623,

 46, 28.623,

152.026

152.026

■ 45, 34.914,
150.826

■ 47, 22.060,
153.077

■ 45, 40.817,
149.462

■ 48, 15.333,
154.000

■ 44, 46.220,
147.921

■ 49, 8.539, 154.819

■ 44, 51.034,
146.208

■ 50, 1.758, 155.640

■ 51, 4.947, 336.089

■ 44, 55.198,
144.349

■ 53, 11.530,
336.683

■ 44, 57.999,
143.075

■ 54, 17.958,
337.201

■ 56, 24.211,
337.666

■ 57, 30.277,

Harmonies

Complementary

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



46, 28.623, 152.026



36, 29.062, 338.888

Rectangle

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



46, 28.623, 152.026



46, 28.623, 202.026



46, 28.623, 332.026



46, 28.623, 22.026

Sweetspot

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



46, 28.624, 152.026



62, 10.910, 154.764



48, 30.199, 120.817



32, 7.698, 154.617



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, 28.624, 152.026



58, 41.973, 150.871



47, 19.341, 182.099



24, 3.742, 155.097



44, 59.023, 143.021



86, 102.857, 141.809

Inverse Universe

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



36, 29.062, 338.888



44, 42.515, 339.788



35, 23.455, 10.855



23, 3.763, 336.244



26, 52.893, 346.542



55, 88.741, 347.928

Previews

White Background



This preview shows how the CIELCh color 46, 28.623, 152.026 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, 28.623, 152.026 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, 28.623, 152.026

Background



This preview shows how black text looks on a background with the CIELCh color 46, 28.623, 152.026.



This preview shows how white text looks on a background with the CIELCh color 46, 28.623, 152.026.

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, 28.623, 152.026

Protanopia

46, 16.338, 95.201

Deuteranopia

46, 13.329, 61.655



Tritanopia
46, 14.287, 220.222

Trichromacy



Original Color
46, 28.623, 152.026

Protanomaly
45, 17.990, 126.068

Deuteranomaly
45, 13.172, 117.812

Tritanomaly
46, 16.640, 182.996

Monochromacy



Original Color
46, 28.623, 152.026

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 11.107, 153.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 28.623, 152.026 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(69, 120, 86)` looks like.

```
.text, #text, p{  
    color:rgb(69, 120, 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(69, 120, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 120, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 28.623, 152.026 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(69, 120, 86) }
```

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

```
.border{ border-color:rgb(69, 120, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 120, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 120, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 120, 86);  
box-shadow:4px 4px 4px 4px rgb(69, 120,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 28.623, 152.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 120, 86) }
```

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

```
.background{ background-color: rgb(69, 120,  
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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