

Converting Colors

CIELCh(30, 46.031, 326.837)

Have a look what the booklet for
CIELCh(30, 46.031, 326.837)
contains.

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Color

CIELCh(30, 46.042, 326.854)

Conversions

Conversions Part 1

Format	Color
Hex	6D2C6E
RGB	109, 44, 110
RGB Percent	43%, 17%, 43%
CMY	0.5711, 0.8261, 0.5672
CMYK	0.01, 0.60, 0.00, 0.57
HSL	299°, 43%, 30%
HSV	299°, 60%, 43%
XYZ	10.0999, 6.2359, 15.5250
YIQ	70.9590, 17.5540, 34.3060

Conversions

Conversions Part 2

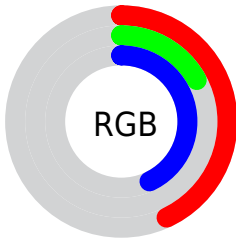
Format	Color
R_{YB}	109, 44, 110
Decimal	7154798
CIE Lab	30.00, 38.55, -25.17
CIE LCh	30, 46.042, 326.854
Yxy	6.2359, 0.3170, 0.1957
Android (android.graphics.Color)	4285344878 (0xFF6D2C6E)
YUV	70.9590, 19.2472, 33.3620
Hunter-Lab	24.9718, 28.4939, -19.3804

Details

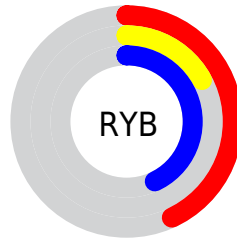
The CIELCh color $[30, 46.042, 326.854]$ is a dark color, and the websafe version is hex `#663366`. A complement of this color would be $[41, 46.371, 139.349]$, and the grayscale version is $[30, 0.005, 296.813]$.

A 20% lighter version of the original color is $[50, 45.879, 326.631]$, and $[11, 42.140, 326.565]$ is the 20% darker color. If you saturate the color by 10%, you get $[28, 51.909, 327.176]$, and if you desaturate by 10%, it is $[32, 39.242, 326.464]$.

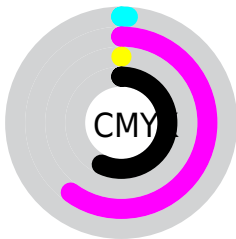
Distribution



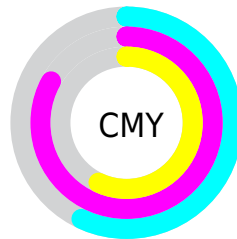
- Red (43%)
- Green (17%)
- Blue (43%)



- Red (43%)
- Yellow (17%)
- Blue (43%)



- Cyan (1%)
- Magenta (60%)
- Yellow (0%)
- Black (57%)





- Cyan (57%)
- Magenta (83%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 46.042, 326.854 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 30, 46.042, 326.854 by changing the saturation by 10% instead.


 30, 46.042,
326.854


 30, 46.042,
326.854

 100, 46.042,
326.854


 20, 46.042,
326.854


 50, 46.042,
326.854


 10, 46.042,
326.854

 60, 46.042,
326.854

 0, 46.042, 326.854

 70, 46.042,
326.854

 80, 46.042,
326.854

 90, 46.042,
326.854

30, 46.042,
326.854

30, 46.042,
326.854

28, 51.909,
327.176

32, 39.242,
326.464

27, 56.582,
327.416

35, 31.795,
326.022

26, 59.871,
327.567

38, 23.953,
325.543

25, 62.334,
327.667

40, 15.921,
325.041

25, 62.383,
327.669

43, 7.851, 324.522

47, 0.147, 145.156

50, 8.003, 143.560

53, 15.671,
143.068

■ 56, 23.129,
142.603

Harmonies

Complementary

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



30, 46.042, 326.854



41, 46.371, 139.349

Rectangle

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



30, 46.042, 326.854



30, 46.042, 16.854



30, 46.042, 146.854



30, 46.042, 196.854

Sweetspot

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



30, 46.041, 326.854



52, 17.867, 324.972



22, 43.145, 298.298



26, 12.336, 325.087



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30, 46.041, 326.854



36, 64.973, 327.285



29, 33.972, 349.020



22, 4.562, 324.480



27, 66.164, 327.664



58, 113.003, 327.631

Inverse Universe

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



28, 32.623, 25.584



33, 49.534, 29.470



42, 32.354, 156.570



22, 2.649, 18.644



24, 57.593, 37.204



52, 101.588, 39.571

Previews

White Background



This preview shows how the CIELCh color 30, 46.042, 326.854 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 30, 46.042, 326.854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

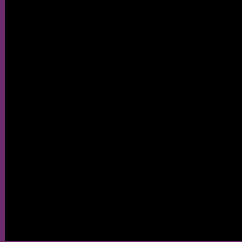
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 46.042, 326.854

Background



This preview shows how black text looks on a background with the CIELCh color 30, 46.042, 326.854.



This preview shows how white text looks on a background with the CIELCh color 30, 46.042, 326.854.

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

30, 46.042, 326.854

Protanopia

30, 41.009, 286.399

Deuteranopia

30, 22.686, 281.301



Tritanopia
30, 21.784, 17.080

Trichromacy



Original Color
30, 46.042, 326.854

Protanomaly
29, 41.742, 299.001

Deuteranomaly
29, 30.705, 304.718

Tritanomaly
30, 27.856, 348.022

Monochromacy



Original Color
30, 46.042, 326.854

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 18.378, 325.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 46.042, 326.854 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(109, 44, 110)` looks like.

```
.text, #text, p{  
    color:rgb(109, 44, 110)  
}
```

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(109, 44, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 44, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 46.042, 326.854 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(109, 44, 110) }
```

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

```
.border{ border-color:rgb(109, 44, 110) }
```

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

Here you see how a box with a 4 pixel rgb(109, 44, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 44, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 44, 110);  
box-shadow:4px 4px 4px 4px rgb(109, 44,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 46.042, 326.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 44, 110) }
```

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

```
.background{ background-color: rgb(109, 44,  
110) }
```

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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