

Converting Colors

CIELCh(46, 28.189, 302.756)

Have a look what the booklet for
CIELCh(46, 28.189, 302.756)
contains.

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Color

CIELCh(46, 28.394, 302.407)

Conversions

Conversions Part 1

Format	Color
Hex	726695
RGB	114, 102, 149
RGB Percent	45%, 40%, 58%
CMY	0.5527, 0.5997, 0.4154
CMYK	0.23, 0.32, 0.00, 0.42
HSL	255°, 19%, 49%
HSV	255°, 32%, 58%
XYZ	17.1353, 15.2687, 30.5053
YIQ	110.9460, -7.9350, 17.1610

Conversions

Conversions Part 2

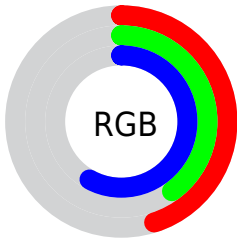
Format	Color
RYB	114, 102, 149
Decimal	7497365
CIELab	46.00, 15.22, -23.97
CIELCh	46, 28.394, 302.407
Yxy	15.2687, 0.2724, 0.2427
Android (android.graphics.Color)	4285687445 (0xFF726695)
YUV	110.9460, 18.7606, 2.6784
Hunter-Lab	39.0751, 9.8948, -18.9342

Details

The CIELCh color **46, 28.394, 302.407** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **60, 26.598, 118.197**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 28.278, 302.724**, and **26, 28.463, 302.668** is the 20% darker color. If you saturate the color by 10%, you get **41, 38.031, 303.331**, and if you desaturate by 10%, it is **51, 19.048, 301.577**.

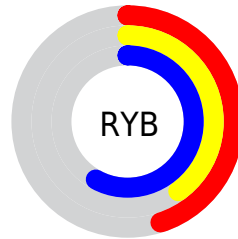
Distribution



Red (45%)

Green (40%)

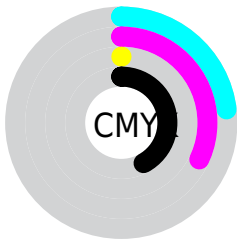
Blue (58%)



Red (45%)

Yellow (40%)

Blue (58%)

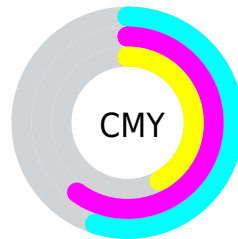


Cyan (23%)

Magenta (32%)

Yellow (0%)

Black (42%)



Cyan (55%)


Magenta (60%)

Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 28.394, 302.407 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, 28.394, 302.407 by changing the saturation by 10% instead.

 46, 28.394,
302.407


 46, 28.394,
302.407


 100, 28.394,
302.407

 36, 28.394,
302.407

 66, 28.394,
302.407


 26, 28.394,
302.407

 76, 28.394,
302.407

 16, 28.394,
302.407

 86, 28.394,
302.407

 6, 28.394, 302.407

 96, 28.394,
302.407

 0, 28.394, 302.407

 46, 28.394,

 46, 28.394,

302.407

■ 41, 38.031,
303.331

■ 36, 47.889,
304.333

■ 32, 57.794,
305.375

■ 27, 67.398,
306.377

■ 23, 76.081,
307.207

■ 20, 82.937,
307.686

■ 18, 87.474,
307.931

302.407

■ 51, 19.048,
301.577

■ 56, 10.022,
300.843

■ 61, 1.314, 300.184

■ 66, 7.088, 119.649

■ 71, 15.197,
119.163

■ 76, 23.031,
118.745

■ 81, 30.608,
118.384

■ 85, 37.942,
118.073

■ 90, 45.049,
117.806

Harmonies

Complementary

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



46, 28.394, 302.407



60, 26.598, 118.197

Rectangle

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



46, 28.394, 302.407



46, 28.394, 352.407



46, 28.394, 122.407



46, 28.394, 172.407

Sweetspot

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



46, 28.393, 302.407



73, 9.649, 300.683



55, 13.864, 227.706



37, 6.701, 300.773



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



46, 28.393, 302.407



55, 42.906, 303.067



48, 30.609, 318.621



29, 4.859, 300.684



16, 82.494, 307.991



0, 4.186, 300.111

Inverse Universe

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



49, 27.315, 334.648



60, 40.602, 335.186



58, 30.055, 135.754



29, 4.831, 333.092



30, 60.395, 341.314



1, 4.197, 332.538

Previews

White Background



This preview shows how the CIELCh color 46, 28.394, 302.407 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, 28.394, 302.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

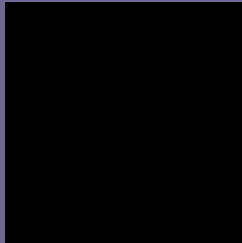
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 28.394, 302.407

Background



This preview shows how black text looks on a background with the CIELCh color 46, 28.394, 302.407.



This preview shows how white text looks on a background with the CIELCh color 46, 28.394, 302.407.

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, 28.394, 302.407

Protanopia

46, 27.478, 285.568

Deuteranopia

46, 24.466, 286.277



Tritanopia
46, 5.356, 290.926

Trichromacy



Original Color
46, 28.394, 302.407

Protanomaly
46, 27.957, 291.848

Deuteranomaly
46, 25.593, 292.844

Tritanomaly
46, 13.814, 298.347

Monochromacy



Original Color
46, 28.394, 302.407

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 10.245, 300.240

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 28.394, 302.407 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(114, 102, 149)` looks like.

```
.text, #text, p{  
    color:rgb(114, 102, 149)  
}
```

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(114, 102, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 102, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 28.394, 302.407 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(114, 102, 149) }
```

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

```
.border{ border-color:rgb(114, 102, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 102, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 102, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 102, 149);  
box-shadow:4px 4px 4px 4px rgb(114, 102,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 28.394, 302.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 102, 149) }
```

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

```
.background{ background-color: rgb(114,  
102, 149) }
```

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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