

Converting Colors

CIELCh(46, 25.388, 302.685)

Have a look what the booklet for
CIELCh(46, 25.388, 302.685)
contains.

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Color

CIELCh(46, 25.397, 302.401)

Conversions

Conversions Part 1

Format	Color
Hex	726791
RGB	114, 103, 145
RGB Percent	45%, 40%, 57%
CMY	0.5537, 0.5968, 0.4321
CMYK	0.21, 0.29, 0.00, 0.43
HSL	256°, 17%, 49%
HSV	256°, 29%, 57%
XYZ	16.8443, 15.2687, 28.7709
YIQ	111.0770, -6.9260, 15.3940

Conversions

Conversions Part 2

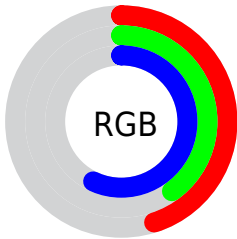
Format	Color
R_{YB}	114, 103, 145
Decimal	7497617
CIE _{Lab}	46.00, 13.61, -21.44
CIE _{LCh}	46, 25.397, 302.401
Yxy	15.2687, 0.2767, 0.2508
Android (android.graphics.Color)	4285687697 (0xFF726791)
YUV	111.0770, 16.7240, 2.5635
Hunter-Lab	39.0751, 8.5652, -16.3024

Details

The CIELCh color $46, 25.397, 302.401$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $58, 23.946, 118.621$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 25.418, 302.097$, and $26, 25.194, 302.449$ is the 20% darker color. If you saturate the color by 10%, you get $41, 34.738, 303.285$, and if you desaturate by 10%, it is $51, 16.346, 301.609$.

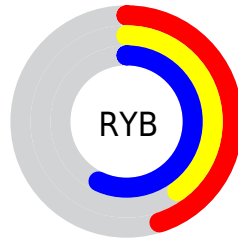
Distribution



Red (45%)

Green (40%)

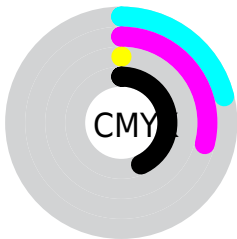
Blue (57%)



Red (45%)

Yellow (40%)

Blue (57%)

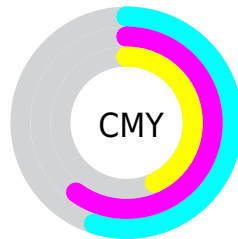


Cyan (21%)

Magenta (29%)

Yellow (0%)

Black (43%)



Cyan (55%)

Magenta (60%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 25.397, 302.401 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, 25.397, 302.401 by changing the saturation by 10% instead.

■ 46, 25.397,
302.401

■ 46, 25.397,
302.401

■ 100, 25.397,
302.401

■ 36, 25.397,
302.401

■ 66, 25.397,
302.401

■ 26, 25.397,
302.401

■ 76, 25.397,
302.401

■ 16, 25.397,
302.401

■ 86, 25.397,
302.401

■ 6, 25.397, 302.401

■ 96, 25.397,
302.401

■ 0, 25.397, 302.401

■ 46, 25.397,

■ 46, 25.397,

302.401

41, 34.738,
303.285

36, 44.315,
304.251

32, 53.990,
305.265

27, 63.477,
306.263

24, 72.254,
307.130

20, 79.514,
307.700

18, 84.969,
307.979

18, 85.532,
308.027

302.401

51, 16.346,
301.609

56, 7.606, 300.908

61, 0.827, 120.334

65, 8.966, 119.773

70, 16.824,
119.311

75, 24.419,
118.913

80, 31.767,
118.569

84, 38.883,
118.274

89, 45.781,

Harmonies

Complementary

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



46, 25.397, 302.401



58, 23.946, 118.621

Rectangle

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



46, 25.397, 302.401



46, 25.397, 352.401



46, 25.397, 122.401



46, 25.397, 172.401

Sweetspot

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



46, 25.396, 302.401



71, 9.449, 300.921



54, 12.557, 227.439



36, 6.559, 301.009



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



46, 25.396, 302.401



55, 38.487, 302.987



48, 27.462, 318.511



28, 4.722, 300.920



16, 81.284, 308.081



0, 3.142, 300.357

Inverse Universe

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



49, 24.435, 334.720



60, 36.516, 335.217



57, 27.003, 135.901



28, 4.671, 333.338



30, 59.338, 341.711



1, 3.133, 332.784

Previews

White Background



This preview shows how the CIELCh color 46, 25.397, 302.401 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, 25.397, 302.401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

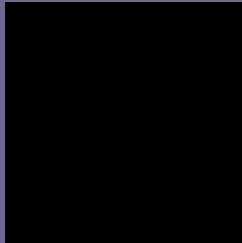
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 25.397, 302.401

Background



This preview shows how black text looks on a background with the CIELCh color 46, 25.397, 302.401.



This preview shows how white text looks on a background with the CIELCh color 46, 25.397, 302.401.

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, 25.397, 302.401

Protanopia

46, 23.919, 284.391

Deuteranopia

46, 22.065, 286.818



Tritanopia
46, 5.376, 295.151

Trichromacy



Original Color
46, 25.397, 302.401

Protanomaly
46, 24.381, 291.017

Deuteranomaly
46, 23.232, 293.314

Tritanomaly
46, 12.689, 300.558

Monochromacy



Original Color
46, 25.397, 302.401

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 9.075, 301.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 25.397, 302.401 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, 103, 145)` looks like.

```
.text, #text, p{  
    color:rgb(114, 103, 145)  
}
```

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, 103, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 103, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 25.397, 302.401 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, 103, 145) }
```

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

```
.border{ border-color:rgb(114, 103, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 103, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 103, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 103, 145);  
box-shadow:4px 4px 4px 4px rgb(114, 103,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 25.397, 302.401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 103, 145) }
```

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

```
.background{ background-color: rgb(114,  
103, 145) }
```

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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