

Converting Colors

CIELCh(46, 40.956, 295.548)

Have a look what the booklet for
CIELCh(46, 40.956, 295.548)
contains.

CIELCh(46, 40.993, 295.508)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 40.993, 295.508)

Conversions

Conversions Part 1

Format	Color
Hex	6666AB
RGB	102, 102, 171
RGB Percent	40%, 40%, 67%
CMY	0.6000, 0.6000, 0.3294
CMYK	0.40, 0.40, 0.00, 0.33
HSL	240°, 29%, 54%
HSV	240°, 40%, 67%
XYZ	17.5825, 15.2687, 40.5505
YIQ	109.8660, -22.1490, 21.4590

Conversions

Conversions Part 2

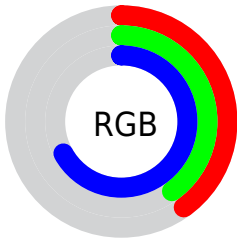
Format	Color
R _Y B	102, 102, 171
Decimal	6710955
CIE Lab	46.00, 17.65, -37.00
CIE LCh	46, 40.993, 295.508
Yxy	15.2687, 0.2395, 0.2080
Android (android.graphics.Color)	4284901035 (0xFF6666AB)
YUV	109.8660, 30.1391, -6.8985
Hunter-Lab	39.0751, 11.9375, -34.1760

Details

The CIELCh color $46, 40.993, 295.508$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $69, 36.988, 106.361$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 41.089, 295.593$, and $26, 41.051, 295.808$ is the 20% darker color. If you saturate the color by 10%, you get $40, 52.226, 297.401$, and if you desaturate by 10%, it is $52, 30.186, 293.857$.

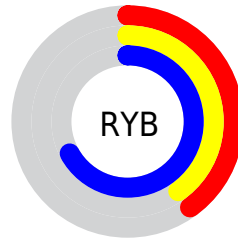
Distribution



Red (40%)

Green (40%)

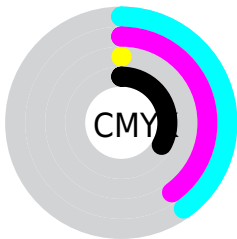
Blue (67%)



Red (40%)

Yellow (40%)

Blue (67%)

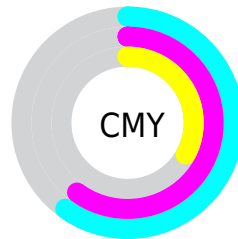


Cyan (40%)

Magenta (40%)

Yellow (0%)

Black (33%)



Cyan (60%)


Magenta (60%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 40.993, 295.508 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, 40.993, 295.508 by changing the saturation by 10% instead.

 46, 40.993,
295.508


 46, 40.993,
295.508


 100, 40.993,
295.508


 36, 40.993,
295.508

 66, 40.993,
295.508


 26, 40.993,
295.508

 76, 40.993,
295.508

 16, 40.993,
295.508

 86, 40.993,
295.508

 6, 40.993, 295.508

 96, 40.993,
295.508

 0, 40.993, 295.508

 46, 40.993,

 46, 40.993,

295.508

40, 52.226,
297.401

35, 63.769,
299.500

29, 75.248,
301.687

25, 85.813,
303.732

22, 94.020,
305.310

20, 99.190,
306.287

295.508

52, 30.186,
293.857

58, 19.824,
292.442

64, 9.884, 291.240

70, 0.336, 290.382

76, 8.850, 109.335

81, 17.700,
108.596

87, 26.238,
107.962

93, 34.486,
107.416

98, 42.045,

Harmonies

Complementary

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



46, 40.993, 295.508



69, 36.988, 106.361

Rectangle

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



46, 40.993, 295.508



46, 40.993, 345.508



46, 40.993, 115.508



46, 40.993, 165.508

Sweetspot

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



46, 40.992, 295.508



80, 14.213, 291.449



66, 22.785, 197.525



41, 9.527, 291.593



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



46, 40.992, 295.508



53, 61.345, 297.103



49, 42.200, 311.059



33, 5.457, 291.127



17, 90.272, 306.287



1, 11.347, 290.178

Inverse Universe

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



53, 46.178, 326.562



64, 66.950, 326.957



66, 39.850, 127.205



34, 6.590, 324.923



35, 77.961, 328.233



2, 13.856, 324.439

Previews

White Background



This preview shows how the CIELCh color 46, 40.993, 295.508 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, 40.993, 295.508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

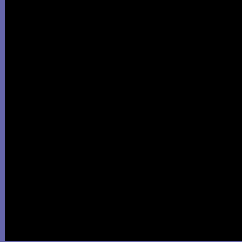
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 40.993, 295.508

Background



This preview shows how black text looks on a background with the CIELCh color 46, 40.993, 295.508.

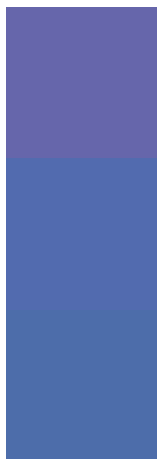


This preview shows how white text looks on a background with the CIELCh color 46, 40.993, 295.508.

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, 40.993, 295.508

Protanopia

46, 40.588, 285.363

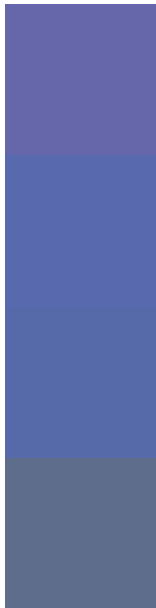
Deuteranopia

46, 36.825, 280.528



Tritanopia
46, 9.932, 231.357

Trichromacy



Original Color
46, 40.993, 295.508

Protanomaly
46, 41.014, 288.984

Deuteranomaly
46, 38.191, 286.300

Tritanomaly
46, 18.966, 276.677

Monochromacy



Original Color
46, 40.993, 295.508

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 14.877, 292.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 40.993, 295.508 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(102, 102, 171)` looks like.

```
.text, #text, p{  
    color:rgb(102, 102, 171)  
}
```

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(102, 102, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 102, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 40.993, 295.508 is called "border". The border property can be set on classes, ids or directly on the HTML element.

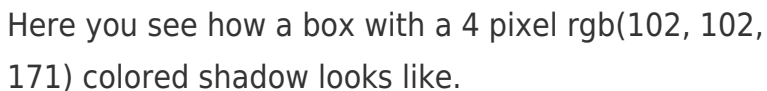
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 102, 171) }
```

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

```
.border{ border-color:rgb(102, 102, 171) }
```

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



Here you see how a box with a 4 pixel `rgb(102, 102, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 102, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 102, 171);  
box-shadow:4px 4px 4px 4px rgb(102, 102,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 40.993, 295.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 102, 171) }
```

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

```
.background{ background-color: rgb(102,  
102, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor