

Converting Colors

CIELCh(46, 43.381, 296.195)

Have a look what the booklet for
CIELCh(46, 43.381, 296.195)
contains.

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Color

CIELCh(46, 43.381, 296.195)

Conversions

Conversions Part 1

Format	Color
Hex	6665AE
RGB	102, 101, 174
RGB Percent	40%, 40%, 68%
CMY	0.5989, 0.6029, 0.3165
CMYK	0.41, 0.42, 0.00, 0.32
HSL	241°, 31%, 54%
HSV	241°, 42%, 68%
XYZ	17.8610, 15.2687, 42.2028
YIQ	109.6210, -22.8370, 22.9150

Conversions

Conversions Part 2

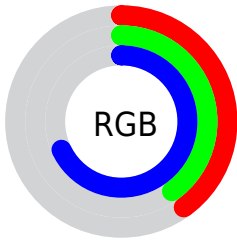
Format	Color
R_{YB}	102, 101, 174
Decimal	6710702
CIE _{Lab}	46.00, 19.15, -38.93
CIE _{LCh}	46, 43.381, 296.195
Yxy	15.2687, 0.2371, 0.2027
Android (android.graphics.Color)	4284900782 (0xFF6665AE)
YUV	109.6210, 31.7388, -6.6836
Hunter-Lab	39.0751, 13.2098, -36.6831

Details

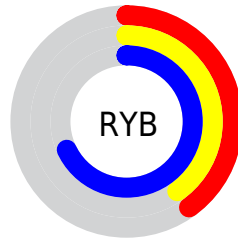
The CIELCh color $46, 43.381, 296.195$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $70, 38.940, 106.857$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 43.333, 296.134$, and $26, 43.641, 296.415$ is the 20% darker color. If you saturate the color by 10%, you get $40, 54.843, 298.068$, and if you desaturate by 10%, it is $52, 32.337, 294.553$.

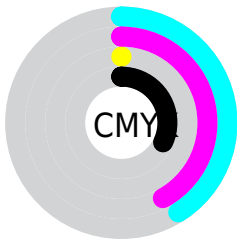
Distribution



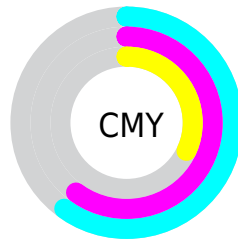
- Red (40%)
- Green (40%)
- Blue (68%)



- Red (40%)
- Yellow (40%)
- Blue (68%)



- Cyan (41%)
- Magenta (42%)
- Yellow (0%)
- Black (32%)




- Cyan (60%)
- Magenta (60%)
- Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 43.381, 296.195 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, 43.381, 296.195 by changing the saturation by 10% instead.


 46, 43.381,
296.195


 46, 43.381,
296.195


 100, 43.381,
296.195


 36, 43.381,
296.195

 66, 43.381,
296.195


 26, 43.381,
296.195

 76, 43.381,
296.195

 16, 43.381,
296.195

 86, 43.381,
296.195

 6, 43.381, 296.195

 96, 43.381,
296.195

 0, 43.381, 296.195

 46, 43.381,

 46, 43.381,

296.195

40, 54.843,
298.068

34, 66.570,
300.123

29, 78.125,
302.233

25, 88.551,
304.155

22, 96.333,
305.565

20, 100.526,
306.331

296.195

52, 32.337,
294.553

58, 21.741,
293.139

64, 11.578,
291.936


70, 1.819, 290.935

76, 7.567, 110.027

82, 16.607,
109.287

88, 25.327,
108.651

94, 33.747,
108.105

 98, 40.439,
107.091

Harmonies

Complementary

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



46, 43.381, 296.195



70, 38.940, 106.857

Rectangle

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



46, 43.381, 296.195



46, 43.381, 346.195



46, 43.381, 116.195



46, 43.381, 166.195

Sweetspot

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



46, 43.380, 296.195



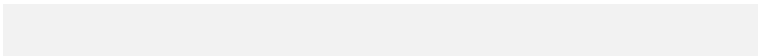
81, 15.719, 292.084



67, 23.850, 197.466



42, 11.136, 292.335



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



46, 43.380, 296.195



53, 65.355, 297.867



49, 44.563, 311.146



33, 5.458, 291.654



17, 90.193, 306.340



1, 11.349, 290.627

Inverse Universe

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



53, 48.151, 327.036



65, 70.062, 327.457



67, 41.974, 127.132



34, 6.528, 325.298



35, 77.126, 328.787



2, 13.663, 324.994

Previews

White Background



This preview shows how the CIELCh color 46, 43.381, 296.195 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, 43.381, 296.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

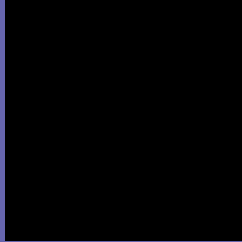
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 46, 43.381, 296.195

Background



This preview shows how black text looks on a background with the CIELCh color 46, 43.381, 296.195.

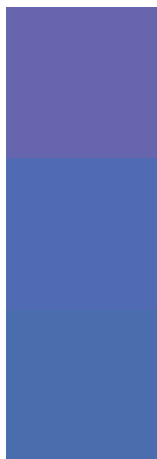


This preview shows how white text looks on a background with the CIELCh color 46, 43.381, 296.195.

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, 43.381, 296.195

Protanopia

46, 43.527, 286.334

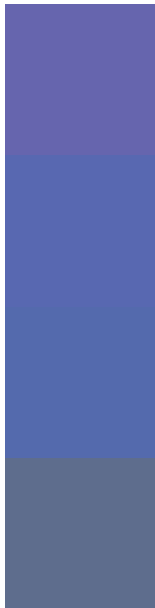
Deuteranopia

46, 38.684, 280.197



Tritanopia
46, 10.224, 230.286

Trichromacy



Original Color
46, 43.381, 296.195

Protanomaly
46, 43.384, 289.768

Deuteranomaly
46, 39.975, 286.262

Tritanomaly
46, 19.529, 277.295

Monochromacy



Original Color
46, 43.381, 296.195

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 15.470, 292.285

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 43.381, 296.195 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, 101, 174)` looks like.

```
.text, #text, p{  
    color:rgb(102, 101, 174)  
}
```

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, 101, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 101, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 43.381, 296.195 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, 101, 174) }
```

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

```
.border{ border-color:rgb(102, 101, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 101, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 101, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 101, 174);  
box-shadow:4px 4px 4px 4px rgb(102, 101,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 43.381, 296.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 101, 174) }
```

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

```
.background{ background-color: rgb(102,  
101, 174) }
```

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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