

Converting Colors

CIELCh(46, 35.496, 296.327)

Have a look what the booklet for
CIELCh(46, 35.496, 296.327)
contains.

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Color

CIELCh(46, 35.105, 295.845)

Conversions

Conversions Part 1

Format	Color
Hex	6967A2
RGB	105, 103, 162
RGB Percent	41%, 40%, 64%
CMY	0.5888, 0.5966, 0.3653
CMYK	0.35, 0.36, 0.00, 0.37
HSL	242°, 24%, 52%
HSV	242°, 36%, 63%
XYZ	17.1511, 15.2687, 36.1516
YIQ	110.3240, -17.7470, 18.7730

Conversions

Conversions Part 2

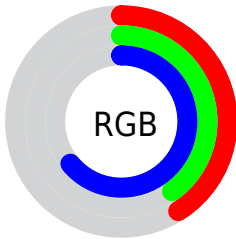
Format	Color
R_{YB}	105, 103, 162
Decimal	6907810
CIE _{Lab}	46.00, 15.30, -31.59
CIE _{LCh}	46, 35.105, 295.845
Yxy	15.2687, 0.2501, 0.2227
Android (android.graphics.Color)	4285097890 (0xFF6967A2)
YUV	110.3240, 25.4763, -4.6691
Hunter-Lab	39.0751, 9.9667, -27.5014

Details

The CIELCh color $46, 35.105, 295.845$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $65, 32.088, 108.251$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 35.024, 295.822$, and $26, 35.265, 295.803$ is the 20% darker color. If you saturate the color by 10%, you get $40, 45.668, 297.504$, and if you desaturate by 10%, it is $52, 24.948, 294.403$.

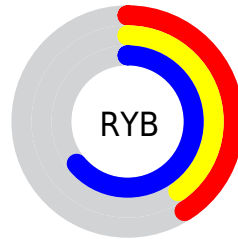
Distribution



Red (41%)

Green (40%)

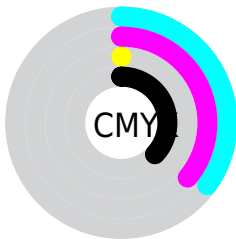
Blue (64%)



Red (41%)

Yellow (40%)

Blue (64%)

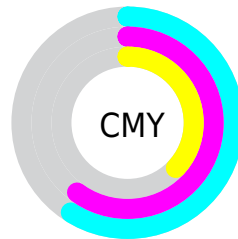


Cyan (35%)

Magenta (36%)

Yellow (0%)

Black (37%)



Cyan (59%)


Magenta (60%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 35.105, 295.845 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, 35.105, 295.845 by changing the saturation by 10% instead.


 46, 35.105,
295.845


 46, 35.105,
295.845


 100, 35.105,
295.845


 36, 35.105,
295.845

 66, 35.105,
295.845


 26, 35.105,
295.845

 76, 35.105,
295.845

 16, 35.105,
295.845

 86, 35.105,
295.845

 6, 35.105, 295.845

 96, 35.105,
295.845

 0, 35.105, 295.845

 46, 35.105,

 46, 35.105,

295.845

40, 45.668,
297.504

35, 56.572,
299.363

30, 67.582,
301.350

25, 78.123,
303.302

22, 87.091,
304.949

19, 93.181,
306.034

19, 95.057,
306.404

295.845

52, 24.948,
294.403

57, 15.203,
293.165

63, 5.846, 292.113


69, 3.149, 111.190

74, 11.809,
110.431

80, 20.157,
109.774

85, 28.216,
109.210

90, 36.005,
108.723

 96, 43.542,
108.301

Harmonies

Complementary

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



46, 35.105, 295.845



65, 32.088, 108.251

Rectangle

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



46, 35.105, 295.845



46, 35.105, 345.845



46, 35.105, 115.845



46, 35.105, 165.845

Sweetspot

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



46, 35.104, 295.845



77, 12.522, 292.592



62, 19.350, 201.040



40, 8.502, 292.728



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



46, 35.104, 295.845



54, 53.651, 297.224



49, 36.482, 311.923



32, 5.192, 292.392



16, 87.834, 306.420



0, 7.951, 291.383

Inverse Universe

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



52, 39.158, 327.322



63, 58.208, 327.748



63, 34.814, 128.570



32, 6.125, 325.837



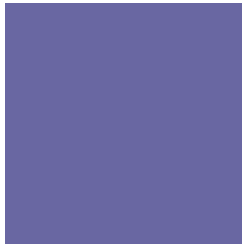
34, 74.073, 329.594



2, 9.412, 325.659

Previews

White Background



This preview shows how the CIELCh color 46, 35.105, 295.845 looks on a white background.

Color Contrast Check

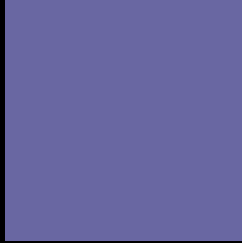
Large Text (above 18pt) WCAG AA ✓ Pass

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, 35.105, 295.845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

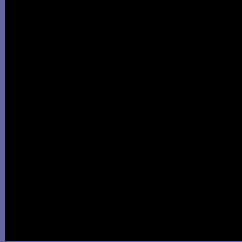
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 35.105, 295.845

Background



This preview shows how black text looks on a background with the CIELCh color 46, 35.105, 295.845.

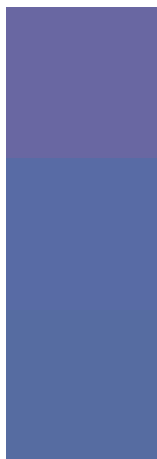


This preview shows how white text looks on a background with the CIELCh color 46, 35.105, 295.845.

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, 35.105, 295.845

Protanopia

46, 34.659, 285.115

Deuteranopia

46, 31.884, 282.063



Tritanopia
46, 7.710, 243.082

Trichromacy



Original Color
46, 35.105, 295.845

Protanomaly
46, 35.106, 289.219

Deuteranomaly
46, 32.780, 287.338

Tritanomaly
46, 16.289, 280.879

Monochromacy



Original Color
46, 35.105, 295.845

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 13.107, 293.619

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 35.105, 295.845 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(105, 103, 162)` looks like.

```
.text, #text, p{  
    color:rgb(105, 103, 162)  
}
```

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(105, 103, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 103, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 35.105, 295.845 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(105, 103, 162) }
```

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

```
.border{ border-color:rgb(105, 103, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 103, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 103, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 103, 162);  
box-shadow:4px 4px 4px 4px rgb(105, 103,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 35.105, 295.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 103, 162) }
```

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

```
.background{ background-color: rgb(105,  
103, 162) }
```

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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