

Converting Colors

CIELCh(46, 24.759, 300.705)

Have a look what the booklet for
CIELCh(46, 24.759, 300.705)
contains.

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Color

CIELCh(46, 25.300, 300.785)

Conversions

Conversions Part 1

Format	Color
Hex	706791
RGB	112, 103, 145
RGB Percent	44%, 40%, 57%
CMY	0.5597, 0.5950, 0.4303
CMYK	0.23, 0.29, 0.00, 0.43
HSL	253°, 17%, 49%
HSV	253°, 29%, 57%
XYZ	16.7258, 15.2687, 28.9677
YIQ	110.4790, -8.1180, 14.9700

Conversions

Conversions Part 2

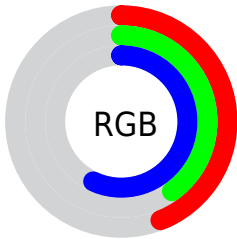
Format	Color
R _Y B	112, 103, 145
Decimal	7366545
CIE Lab	46.00, 12.95, -21.74
CIE LCh	46, 25.300, 300.785
Yxy	15.2687, 0.2744, 0.2505
Android (android.graphics.Color)	4285556625 (0xFF706791)
YUV	110.4790, 17.0189, 1.3339
Hunter-Lab	39.0751, 8.0242, -16.6010

Details

The CIELCh color $46, 25.300, 300.785$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $59, 23.789, 116.668$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 25.313, 300.542$, and $26, 25.125, 300.780$ is the 20% darker color. If you saturate the color by 10%, you get $41, 34.664, 301.771$, and if you desaturate by 10%, it is $51, 16.249, 299.910$.

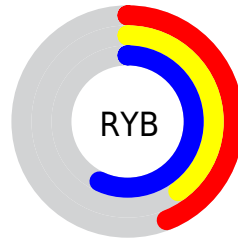
Distribution



Red (44%)

Green (40%)

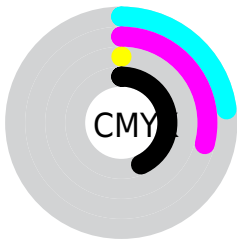
Blue (57%)



Red (44%)

Yellow (40%)

Blue (57%)

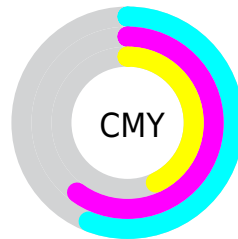


Cyan (23%)

Magenta (29%)

Yellow (0%)

Black (43%)



Cyan (56%)

Magenta (60%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 25.300, 300.785 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, 25.300, 300.785 by changing the saturation by 10% instead.

 46, 25.300,
300.785


 46, 25.300,
300.785


 100, 25.300,
300.785


 36, 25.300,
300.785

 66, 25.300,
300.785


 26, 25.300,
300.785

 76, 25.300,
300.785

 16, 25.300,
300.785

 86, 25.300,
300.785

 6, 25.300, 300.785

 96, 25.300,
300.785

 0, 25.300, 300.785

 46, 25.300,

 46, 25.300,

300.785

■ 41, 34.664,
301.771

■ 36, 44.298,
302.862

■ 32, 54.077,
304.027

■ 27, 63.723,
305.198

■ 23, 72.706,
306.253

■ 20, 80.165,
307.008

■ 17, 85.728,
307.453

■ 17, 86.339,
307.523

300.785

■ 51, 16.249,
299.910

■ 56, 7.524, 299.143

■ 61, 0.885, 118.494

■ 66, 8.994, 117.905

■ 71, 16.819,
117.406

■ 75, 24.379,
116.976

■ 80, 31.689,
116.606

■ 85, 38.767,
116.286

■ 90, 45.626,

Harmonies

Complementary

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



46, 25.300, 300.785



59, 23.789, 116.668

Rectangle

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



46, 25.300, 300.785



46, 25.300, 350.785



46, 25.300, 120.785



46, 25.300, 170.785

Sweetspot

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



46, 25.299, 300.785



71, 9.400, 299.162



55, 12.763, 220.735



36, 6.526, 299.258



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, 25.299, 300.785



55, 38.365, 301.444



48, 27.164, 316.935



28, 4.697, 299.161



16, 81.859, 307.573



0, 3.124, 298.545

Inverse Universe

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



49, 25.252, 332.862



60, 37.719, 333.326



57, 26.600, 134.403



28, 4.831, 331.565



30, 61.335, 338.708



1, 3.242, 331.033

Previews

White Background



This preview shows how the CIELCh color 46, 25.300, 300.785 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, 25.300, 300.785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

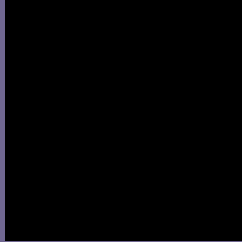
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 25.300, 300.785

Background



This preview shows how black text looks on a background with the CIELCh color 46, 25.300, 300.785.



This preview shows how white text looks on a background with the CIELCh color 46, 25.300, 300.785.

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, 25.300, 300.785

Protanopia

46, 24.499, 284.717

Deuteranopia

46, 22.065, 286.818



Tritanopia
46, 4.806, 281.386

Trichromacy



Original Color
46, 25.300, 300.785

Protanomaly
46, 24.971, 291.158

Deuteranomaly
46, 22.605, 291.447

Tritanomaly
46, 11.943, 295.469

Monochromacy



Original Color
46, 25.300, 300.785

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 9.012, 298.838

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 25.300, 300.785 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(112, 103, 145)` looks like.

```
.text, #text, p{  
    color:rgb(112, 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(112, 103, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 103, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 25.300, 300.785 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(112, 103, 145) }
```

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

```
.border{ border-color:rgb(112, 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(112, 103, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 103, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 103, 145);  
box-shadow:4px 4px 4px 4px rgb(112, 103,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 25.300, 300.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 103, 145) }
```

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

```
.background{ background-color: rgb(112,  
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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