

Converting Colors

CIELCh(45, 32.539, 301.039)

Have a look what the booklet for
CIELCh(45, 32.539, 301.039)
contains.

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Color

CIELCh(45, 32.571, 301.070)

Conversions

Conversions Part 1

Format	Color
Hex	6E6399
RGB	110, 99, 153
RGB Percent	43%, 39%, 60%
CMY	0.5686, 0.6117, 0.4000
CMYK	0.28, 0.35, 0.00, 0.40
HSL	252°, 21%, 49%
HSV	252°, 35%, 60%
XYZ	16.6454, 14.5417, 32.0714
YIQ	108.4450, -10.7780, 19.1260

Conversions

Conversions Part 2

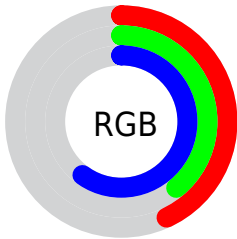
Format	Color
R _Y B	110, 99, 153
Decimal	7234457
CIE Lab	45.00, 16.81, -27.90
CIE LCh	45, 32.571, 301.070
Yxy	14.5417, 0.2631, 0.2299
Android (android.graphics.Color)	4285424537 (0xFF6E6399)
YUV	108.4450, 21.9656, 1.3637
Hunter-Lab	38.1336, 11.1818, -23.1709

Details

The CIELCh color $45, 32.571, 301.070$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $61, 30.107, 115.796$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 32.687, 301.091$, and $25, 33.072, 301.093$ is the 20% darker color. If you saturate the color by 10%, you get $40, 42.538, 302.160$, and if you desaturate by 10%, it is $50, 22.914, 300.095$.

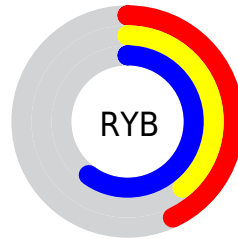
Distribution



Red (43%)

Green (39%)

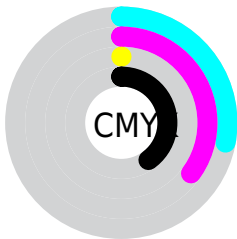
Blue (60%)



Red (43%)

Yellow (39%)

Blue (60%)

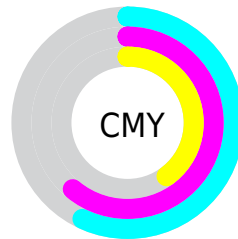


Cyan (28%)

Magenta (35%)

Yellow (0%)

Black (40%)



Cyan (57%)


Magenta (61%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 32.571, 301.070 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 45, 32.571, 301.070 by changing the saturation by 10% instead.


 45, 32.571,
301.070


 45, 32.571,
301.070


 100, 32.571,
301.070


 35, 32.571,
301.070

 65, 32.571,
301.070


 25, 32.571,
301.070

 75, 32.571,
301.070

 15, 32.571,
301.070

 85, 32.571,
301.070

 5, 32.571, 301.070

 95, 32.571,
301.070

 0, 32.571, 301.070

 45, 32.571,

 45, 32.571,

301.070

■ 40, 42.538,
302.160

■ 35, 52.725,
303.343

■ 30, 62.907,
304.568

■ 26, 72.627,
305.728

■ 22, 81.084,
306.652

■ 19, 87.266,
307.147

■ 18, 89.844,
307.392

301.070

■ 50, 22.914,
300.095

■ 55, 13.598,
299.237

■ 61, 4.623, 298.489

■ 66, 4.025, 117.846

■ 71, 12.363,
117.286

■ 76, 20.411,
116.803

■ 81, 28.186,
116.388

■ 86, 35.707,
116.030

■ 91, 42.990,
115.721

Harmonies

Complementary

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



45, 32.571, 301.070



61, 30.107, 115.796

Rectangle

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



45, 32.571, 301.070



45, 32.571, 351.070



45, 32.571, 121.070



45, 32.571, 171.070

Sweetspot

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



45, 32.570, 301.070



73, 12.024, 298.920



56, 15.861, 221.222



37, 8.076, 299.013



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



45, 32.570, 301.070



53, 48.645, 301.881



48, 34.681, 317.209



30, 4.971, 298.771



16, 84.243, 307.447



0, 5.288, 298.004

Inverse Universe

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



49, 32.298, 332.901



60, 47.254, 333.420



59, 33.802, 134.054



30, 5.156, 331.189



31, 63.461, 338.111



1, 5.485, 331.129

Previews

White Background



This preview shows how the CIELCh color 45, 32.571, 301.070 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 45, 32.571, 301.070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

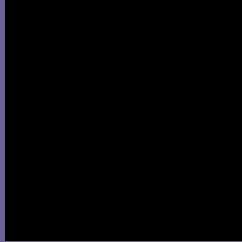
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 32.571, 301.070

Background



This preview shows how black text looks on a background with the CIELCh color 45, 32.571, 301.070.

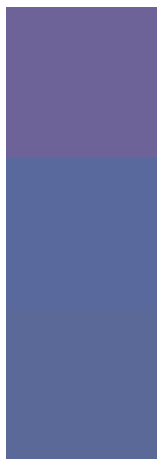


This preview shows how white text looks on a background with the CIELCh color 45, 32.571, 301.070.

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


45, 32.571, 301.070

Protanopia

45, 31.770, 285.312

Deuteranopia

45, 28.261, 284.069



Tritanopia
45, 4.996, 272.455

Trichromacy



Original Color
45, 32.571, 301.070

Protanomaly
45, 31.612, 290.896

Deuteranomaly
45, 29.260, 290.254

Tritanomaly
45, 14.979, 295.116

Monochromacy



Original Color
45, 32.571, 301.070

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 11.474, 299.464

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 32.571, 301.070 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(110, 99, 153)` looks like.

```
.text, #text, p{  
    color:rgb(110, 99, 153)  
}
```

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(110, 99, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 99, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 32.571, 301.070 is called "border". The border property can be set on classes, ids or directly on the HTML element.

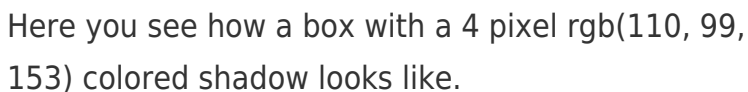
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 99, 153) }
```

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

```
.border{ border-color:rgb(110, 99, 153) }
```

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



Here you see how a box with a 4 pixel `rgb(110, 99, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 99, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 99, 153); box-shadow:4px 4px 4px 4px rgb(110, 99, 153) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 32.571, 301.070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 99, 153) }
```

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

```
.background{ background-color: rgb(110, 99,  
153) }
```

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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