

Converting Colors

CIELCh(45, 29.746, 303.535)

Have a look what the booklet for
CIELCh(45, 29.746, 303.535)
contains.

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Color

CIELCh(45, 29.792, 303.551)

Conversions

Conversions Part 1

Format	Color
Hex	716394
RGB	113, 99, 148
RGB Percent	44%, 39%, 58%
CMY	0.5573, 0.6122, 0.4201
CMYK	0.24, 0.33, 0.00, 0.42
HSL	257°, 20%, 48%
HSV	257°, 33%, 58%
XYZ	16.5841, 14.5417, 29.9026
YIQ	108.7720, -7.3850, 18.2070

Conversions

Conversions Part 2

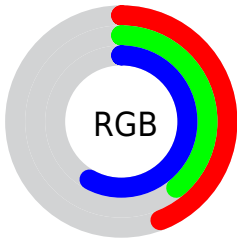
Format	Color
R_{YB}	113, 99, 148
Decimal	7431060
CIE _{Lab}	45.00, 16.47, -24.83
CIE _{LCh}	45, 29.792, 303.551
Yxy	14.5417, 0.2717, 0.2383
Android (android.graphics.Color)	4285621140 (0xFF716394)
YUV	108.7720, 19.3394, 3.7080
Hunter-Lab	38.1336, 10.8948, -19.7990

Details

The CIELCh color $45, 29.792, 303.551$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $59, 27.870, 119.347$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 29.578, 303.763$, and $25, 30.003, 303.952$ is the 20% darker color. If you saturate the color by 10%, you get $40, 39.400, 304.421$, and if you desaturate by 10%, it is $50, 20.448, 302.760$.

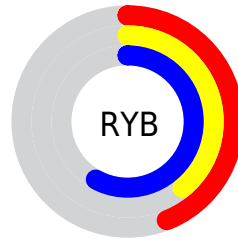
Distribution



Red (44%)

Green (39%)

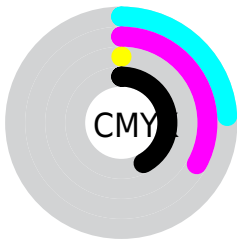
Blue (58%)



Red (44%)

Yellow (39%)

Blue (58%)

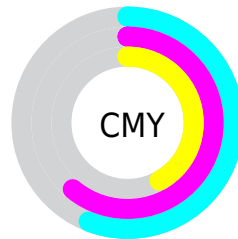


Cyan (24%)

Magenta (33%)

Yellow (0%)

Black (42%)



Cyan (56%)


Magenta (61%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 29.792, 303.551 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, 29.792, 303.551 by changing the saturation by 10% instead.


 45, 29.792,
303.551


 45, 29.792,
303.551


 100, 29.792,
303.551


 35, 29.792,
303.551

 65, 29.792,
303.551


 25, 29.792,
303.551

 75, 29.792,
303.551

 15, 29.792,
303.551

 85, 29.792,
303.551

 5, 29.792, 303.551

 95, 29.792,
303.551

 0, 29.792, 303.551

 45, 29.792,

 45, 29.792,

303.551

40, 39.400,
304.421

35, 49.183,
305.352

31, 58.937,
306.298

27, 68.281,
307.175

23, 76.565,
307.850

20, 82.904,
308.151

19, 86.537,
308.300

303.551

50, 20.448,
302.760

55, 11.407,
302.055

60, 2.675, 301.426

65, 5.754, 120.903

69, 13.893,
120.429

74, 21.759,
120.021

79, 29.366,
119.668

84, 36.731,
119.364

■ 89, 43.868,
119.103

Harmonies

Complementary

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



45, 29.792, 303.551



59, 27.870, 119.347

Rectangle

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



45, 29.792, 303.551



45, 29.792, 353.551



45, 29.792, 123.551



45, 29.792, 173.551

Sweetspot

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



45, 29.791, 303.551



71, 10.664, 301.865



54, 14.365, 232.524



37, 7.349, 301.947



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



45, 29.791, 303.551



53, 44.911, 304.213



47, 32.193, 319.722



29, 4.877, 301.801



17, 82.091, 308.358



0, 4.203, 301.259

Inverse Universe

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



48, 27.911, 336.022



58, 41.349, 336.631



57, 31.683, 136.618



29, 4.728, 334.280



30, 59.186, 343.359



1, 4.106, 333.710

Previews

White Background



This preview shows how the CIELCh color 45, 29.792, 303.551 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, 29.792, 303.551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

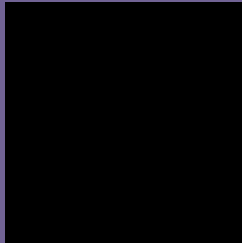
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 29.792, 303.551

Background



This preview shows how black text looks on a background with the CIELCh color 45, 29.792, 303.551.



This preview shows how white text looks on a background with the CIELCh color 45, 29.792, 303.551.

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, 29.792, 303.551

Protanopia

45, 28.800, 284.990

Deuteranopia

45, 25.197, 285.154



Tritanopia
45, 4.799, 295.621

Trichromacy



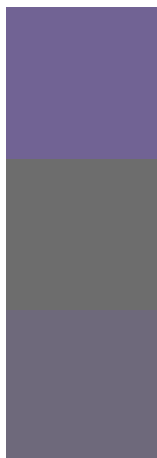
Original Color
45, 29.792, 303.551

Protanomaly
45, 28.646, 291.382

Deuteranomaly
45, 26.270, 292.257

Tritanomaly
45, 13.992, 301.502

Monochromacy



Original Color
45, 29.792, 303.551

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 10.949, 301.854

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 29.792, 303.551 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(113, 99, 148)` looks like.

```
.text, #text, p{  
    color:rgb(113, 99, 148)  
}
```

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(113, 99, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 99, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 29.792, 303.551 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(113, 99, 148) }
```

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

```
.border{ border-color:rgb(113, 99, 148) }
```

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

Here you see how a box with a 4 pixel rgb(113, 99, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 99, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 99, 148);  
box-shadow:4px 4px 4px 4px rgb(113, 99,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 29.792, 303.551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 99, 148) }
```

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

```
.background{ background-color: rgb(113, 99,  
148) }
```

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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