

Converting Colors

CIELCh(45, 29.130, 293.744)

Have a look what the booklet for
CIELCh(45, 29.130, 293.744)
contains.

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Color

CIELCh(45, 29.269, 294.133)

Conversions

Conversions Part 1

Format	Color
Hex	666697
RGB	102, 102, 151
RGB Percent	40%, 40%, 59%
CMY	0.6003, 0.6003, 0.4081
CMYK	0.32, 0.32, 0.00, 0.41
HSL	240°, 19%, 50%
HSV	240°, 32%, 59%
XYZ	15.7958, 14.5417, 31.2205
YIQ	107.5860, -15.7290, 15.2390

Conversions

Conversions Part 2

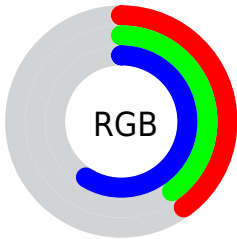
Format	Color
R_{YB}	102, 102, 151
Decimal	6710935
CIE _{Lab}	45.00, 11.97, -26.71
CIE _{LCh}	45, 29.269, 294.133
Yxy	14.5417, 0.2566, 0.2362
Android (android.graphics.Color)	4284901015 (0xFF666697)
YUV	107.5860, 21.4031, -4.8989
Hunter-Lab	38.1336, 7.2051, -21.8479

Details

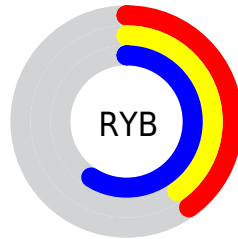
The CIELCh color $45, 29.269, 294.133$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $61, 27.080, 107.120$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 28.963, 293.821$, and $25, 29.609, 294.698$ is the 20% darker color. If you saturate the color by 10%, you get $40, 39.096, 295.810$, and if you desaturate by 10%, it is $50, 19.837, 292.690$.

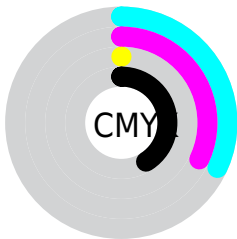
Distribution



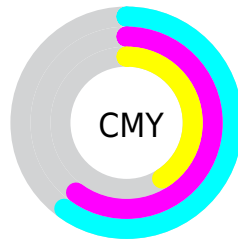
- Red (40%)
- Green (40%)
- Blue (59%)



- Red (40%)
- Yellow (40%)
- Blue (59%)



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





- Cyan (60%)
- Magenta (60%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 29.269, 294.133 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, 29.269, 294.133 by changing the saturation by 10% instead.


 45, 29.269,
294.133


 45, 29.269,
294.133


 100, 29.269,
294.133


 35, 29.269,
294.133

 65, 29.269,
294.133


 25, 29.269,
294.133

 75, 29.269,
294.133

 15, 29.269,
294.133

 85, 29.269,
294.133

 5, 29.269, 294.133

 95, 29.269,
294.133

 0, 29.269, 294.133

 45, 29.269,

 45, 29.269,

294.133

■ 40, 39.096,
295.810

■ 34, 49.298,
297.721

■ 29, 59.743,
299.823

■ 25, 70.053,
301.985

■ 21, 79.395,
303.968

■ 18, 86.441,
305.450

■ 17, 90.479,
306.287

294.133

■ 50, 19.837,
292.690

■ 56, 10.789,
291.461

■ 61, 2.097, 290.434

■ 66, 6.266, 109.509

■ 72, 14.324,
108.753

■ 77, 22.098,
108.103

■ 82, 29.609,
107.542

■ 87, 36.873,
107.058

■ 92, 43.906,
106.637

Harmonies

Complementary

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



45, 29.269, 294.133



61, 27.080, 107.120

Rectangle

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



45, 29.269, 294.133



45, 29.269, 344.133



45, 29.269, 114.133



45, 29.269, 164.133

Sweetspot

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



45, 29.268, 294.133



73, 10.682, 291.211



59, 17.214, 196.290



38, 7.363, 291.353



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, 29.268, 294.133



53, 44.248, 295.337



47, 30.345, 310.069



29, 4.917, 291.106



15, 85.763, 306.287



0, 5.229, 290.176

Inverse Universe

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



48, 21.320, 22.115



59, 32.553, 23.119



60, 28.973, 126.994



30, 3.439, 19.893



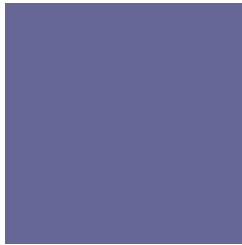
28, 66.112, 39.048



1, 3.595, 19.402

Previews

White Background



This preview shows how the CIELCh color 45, 29.269, 294.133 looks on a white background.

Color Contrast Check

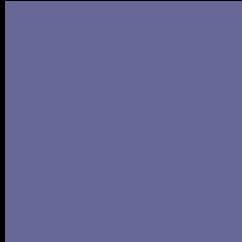
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 29.269, 294.133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

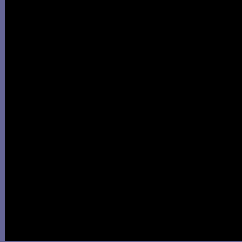
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 29.269, 294.133

Background



This preview shows how black text looks on a background with the CIELCh color 45, 29.269, 294.133.



This preview shows how white text looks on a background with the CIELCh color 45, 29.269, 294.133.

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

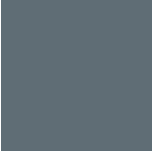
45, 29.269, 294.133

Protanopia

45, 28.800, 284.990

Deuteranopia

45, 27.061, 284.047



Tritanopia
45, 7.086, 241.455

Trichromacy



Original Color
45, 29.269, 294.133

Protanomaly
45, 28.687, 288.128

Deuteranomaly
45, 27.515, 287.671

Tritanomaly
45, 13.961, 279.910

Monochromacy



Original Color
45, 29.269, 294.133

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 10.737, 291.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 29.269, 294.133 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, 102, 151)` looks like.

```
.text, #text, p{  
    color:rgb(102, 102, 151)  
}
```

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, 102, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 102, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 29.269, 294.133 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, 102, 151) }
```

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

```
.border{ border-color:rgb(102, 102, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 102, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 102, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 102, 151);  
box-shadow:4px 4px 4px 4px rgb(102, 102,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 29.269, 294.133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 102, 151) }
```

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

```
.background{ background-color: rgb(102,  
102, 151) }
```

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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