

Converting Colors

CIELCh(45, 28.689, 275.934)

Have a look what the booklet for
CIELCh(45, 28.689, 275.934)
contains.

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Color

CIELCh(45, 28.912, 276.512)

Conversions

Conversions Part 1

Format	Color
Hex	4F6B9A
RGB	79, 107, 154
RGB Percent	31%, 42%, 60%
CMY	0.6897, 0.5800, 0.3956
CMYK	0.49, 0.31, 0.00, 0.40
HSL	218°, 32%, 46%
HSV	218°, 49%, 60%
XYZ	14.3450, 14.5417, 32.6732
YIQ	103.9860, -31.7750, 8.6810

Conversions

Conversions Part 2

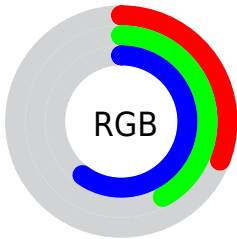
Format	Color
R_{YB}	79, 99, 154
Decimal	5204890
CIE Lab	45.00, 3.28, -28.73
CIE LCh	45, 28.912, 276.512
Yxy	14.5417, 0.2330, 0.2362
Android (android.graphics.Color)	4283394970 (0xFF4F6B9A)
YUV	103.9860, 24.6569, -21.9127
Hunter-Lab	38.1336, 0.4140, -24.1066

Details

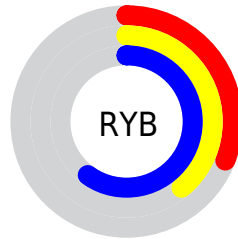
The CIELCh color **45, 28.912, 276.512** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **54, 29.877, 81.439**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 29.176, 276.815**, and **25, 29.177, 276.885** is the 20% darker color. If you saturate the color by 10%, you get **41, 35.060, 279.238**, and if you desaturate by 10%, it is **49, 22.849, 274.158**.

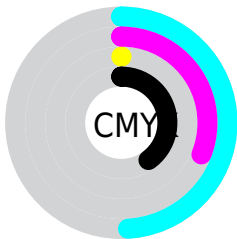
Distribution



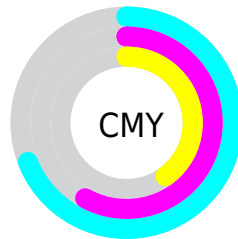
- Red (31%)
- Green (42%)
- Blue (60%)



- Red (31%)
- Yellow (39%)
- Blue (60%)



- Cyan (49%)
- Magenta (31%)
- Yellow (0%)
- Black (40%)





- Cyan (69%)
- Magenta (58%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 28.912, 276.512 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, 28.912, 276.512 by changing the saturation by 10% instead.


 45, 28.912,
276.512


 45, 28.912,
276.512


 100, 28.912,
276.512


 35, 28.912,
276.512

 65, 28.912,
276.512


 25, 28.912,
276.512

 75, 28.912,
276.512

 15, 28.912,
276.512

 85, 28.912,
276.512

 5, 28.912, 276.512

 95, 28.912,
276.512

 0, 28.912, 276.512

 45, 28.912,

 45, 28.912,

276.512

276.512

■ 41, 35.060,
279.238

■ 49, 22.849,
274.158

■ 38, 41.326,
282.347

■ 53, 16.856,
272.140

■ 34, 47.742,
285.804

■ 56, 10.922,
270.418

■ 31, 54.325,
289.511

■ 60, 5.048, 268.960

■ 28, 61.041,
293.199

■ 64, 0.765, 87.349

■ 68, 6.512, 86.502

■ 28, 61.947,
293.649

■ 72, 12.189, 85.558

■ 76, 17.790, 84.722

■ 80, 23.313, 83.982

Harmonies

Complementary

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



45, 28.912, 276.512



54, 29.877, 81.439

Rectangle

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



45, 28.912, 276.512



45, 28.912, 326.512



45, 28.912, 96.512



45, 28.912, 146.512

Sweetspot

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



45, 28.911, 276.512



74, 10.901, 269.898



58, 31.458, 165.327



38, 7.503, 270.198



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



45, 28.911, 276.512



54, 43.130, 279.383



38, 46.168, 300.100



30, 3.273, 269.033



25, 57.318, 293.312



1, 3.547, 268.345

Inverse Universe

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



44, 34.600, 356.954



52, 50.702, 359.012



61, 40.745, 111.064



30, 3.863, 351.862



29, 54.496, 12.933



1, 4.098, 351.486

Previews

White Background



This preview shows how the CIELCh color 45, 28.912, 276.512 looks on a white background.

Color Contrast Check

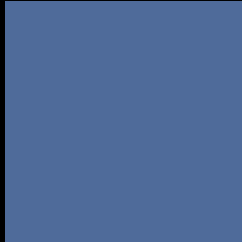
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.912, 276.512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

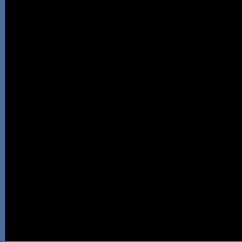
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

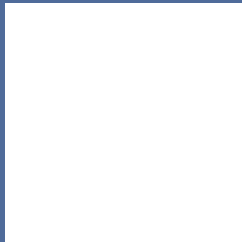
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 28.912, 276.512

Background



This preview shows how black text looks on a background with the CIELCh color 45, 28.912, 276.512.



This preview shows how white text looks on a background with the CIELCh color 45, 28.912, 276.512.

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, 28.912, 276.512

Protanopia

45, 28.220, 284.686

Deuteranopia

45, 30.167, 282.762



Tritanopia
45, 15.954, 217.700

Trichromacy



Original Color
45, 28.912, 276.512

Protanomaly
45, 28.406, 281.607

Deuteranomaly
45, 29.759, 280.155

Tritanomaly
45, 18.205, 247.846

Monochromacy



Original Color
45, 28.912, 276.512

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 10.746, 271.149

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 28.912, 276.512 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(79, 107, 154)` looks like.

```
.text, #text, p{  
    color:rgb(79, 107, 154)  
}
```

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(79, 107, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 107, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 28.912, 276.512 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(79, 107, 154) }
```

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

```
.border{ border-color:rgb(79, 107, 154) }
```

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

Here you see how a box with a 4 pixel rgb(79, 107, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 107, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 107, 154);  
box-shadow:4px 4px 4px 4px rgb(79, 107,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 28.912, 276.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 107, 154) }
```

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

```
.background{ background-color: rgb(79, 107,  
154) }
```

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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