

Converting Colors

CIELCh(45, 28.465, 277.329)

Have a look what the booklet for
CIELCh(45, 28.465, 277.329)
contains.

CIELCh(45, 28.222, 277.094)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 28.222, 277.094)

Conversions

Conversions Part 1

Format	Color
Hex	516B99
RGB	81, 107, 153
RGB Percent	32%, 42%, 60%
CMY	0.6827, 0.5807, 0.4003
CMYK	0.47, 0.30, 0.00, 0.40
HSL	218°, 31%, 46%
HSV	218°, 47%, 60%
XYZ	14.3784, 14.5417, 32.1493
YIQ	104.4700, -30.2620, 8.7940

Conversions

Conversions Part 2

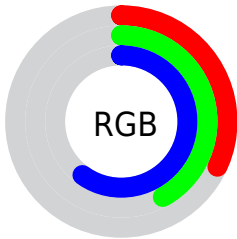
Format	Color
R_{YB}	81, 100, 153
Decimal	5335961
CIE _{Lab}	45.00, 3.49, -28.01
CIE _{LCh}	45, 28.222, 277.094
Yxy	14.5417, 0.2354, 0.2381
Android (android.graphics.Color)	4283526041 (0xFF516B99)
YUV	104.4700, 23.9253, -20.5832
Hunter-Lab	38.1336, 0.5703, -23.2921

Details

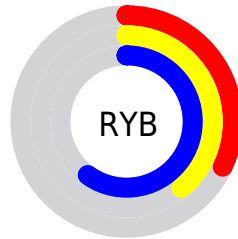
The CIELCh color **45, 28.222, 277.094** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **55, 28.908, 82.713**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 28.513, 277.562**, and **25, 28.449, 277.246** is the 20% darker color. If you saturate the color by 10%, you get **41, 34.451, 279.736**, and if you desaturate by 10%, it is **49, 22.089, 274.814**.

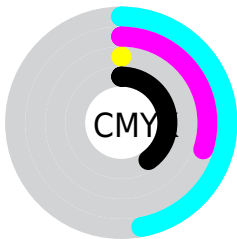
Distribution



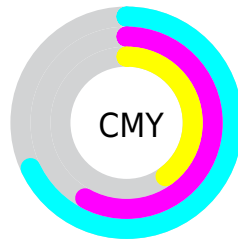
- Red (32%)
- Green (42%)
- Blue (60%)



- Red (32%)
- Yellow (39%)
- Blue (60%)



- Cyan (47%)
- Magenta (30%)
- Yellow (0%)
- Black (40%)




- Cyan (68%)
- Magenta (58%)
- Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 28.222, 277.094 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, 28.222, 277.094 by changing the saturation by 10% instead.


 45, 28.222,
277.094


 45, 28.222,
277.094


 100, 28.222,
277.094


 35, 28.222,
277.094

 65, 28.222,
277.094


 25, 28.222,
277.094

 75, 28.222,
277.094

 15, 28.222,
277.094

 85, 28.222,
277.094

 5, 28.222, 277.094

 95, 28.222,
277.094

 0, 28.222, 277.094

 45, 28.222,

 45, 28.222,

277.094

277.094

■ 41, 34.451,
279.736

■ 49, 22.089,
274.814

■ 38, 40.807,
282.754

■ 53, 16.038,
272.859

■ 34, 47.321,
286.120

■ 57, 10.059,
271.190

■ 31, 54.005,
289.745

■ 60, 4.149, 269.781

■ 28, 60.816,
293.414

■ 64, 1.689, 88.362

■ 68, 7.452, 87.386

■ 27, 62.822,
294.391

■ 72, 13.136, 86.461

■ 76, 18.739, 85.643

■ 80, 24.258, 84.920

Harmonies

Complementary

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



45, 28.222, 277.094



55, 28.908, 82.713

Rectangle

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



45, 28.222, 277.094



45, 28.222, 327.094



45, 28.222, 97.094



45, 28.222, 147.094

Sweetspot

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



45, 28.221, 277.094



73, 10.198, 270.768



58, 29.929, 166.590



38, 7.030, 271.065



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, 28.221, 277.094



54, 41.874, 279.744



38, 44.261, 300.336



30, 3.316, 270.059



24, 58.502, 294.088



1, 3.590, 269.347

Inverse Universe

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



44, 33.138, 357.513



52, 48.440, 359.438



61, 39.320, 111.930



30, 3.837, 352.639



29, 54.649, 14.070



1, 4.069, 352.252

Previews

White Background



This preview shows how the CIE LCh color 45, 28.222, 277.094 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, 28.222, 277.094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

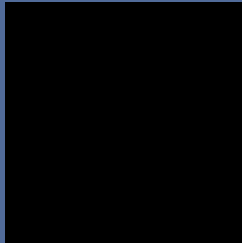
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

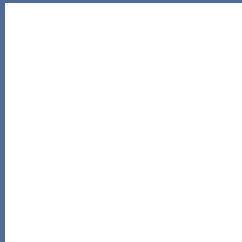
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 28.222, 277.094

Background



This preview shows how black text looks on a background with the CIELCh color 45, 28.222, 277.094.



This preview shows how white text looks on a background with the CIELCh color 45, 28.222, 277.094.

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, 28.222, 277.094

Protanopia

45, 27.601, 285.012

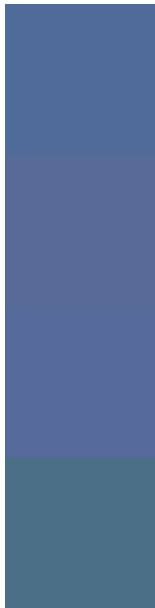
Deuteranopia

45, 28.926, 283.203



Tritanopia
45, 15.135, 218.898

Trichromacy



Original Color
45, 28.222, 277.094

Protanomaly
45, 27.783, 281.824

Deuteranomaly
45, 28.514, 280.441

Tritanomaly
45, 17.445, 247.729

Monochromacy



Original Color
45, 28.222, 277.094

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 10.634, 273.023

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 28.222, 277.094 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(81, 107, 153)` looks like.

```
.text, #text, p{  
    color:rgb(81, 107, 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(81, 107, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 107, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 28.222, 277.094 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(81, 107, 153) }
```

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

```
.border{ border-color:rgb(81, 107, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 107, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 107, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 107, 153);  
box-shadow:4px 4px 4px 4px rgb(81, 107,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 28.222, 277.094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 107, 153) }
```

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

```
.background{ background-color: rgb(81, 107,  
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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