

Converting Colors

CIELCh(45, 27.918, 279.362)

Have a look what the booklet for
CIELCh(45, 27.918, 279.362)
contains.

CIELCh(45, 28.006, 279.435)	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, 28.006, 279.435)

Conversions

Conversions Part 1

Format	Color
Hex	546A98
RGB	84, 106, 152
RGB Percent	33%, 42%, 60%
CMY	0.6694, 0.5832, 0.4027
CMYK	0.45, 0.30, 0.00, 0.40
HSL	221°, 29%, 46%
HSV	221°, 45%, 60%
XYZ	14.5582, 14.5417, 31.8757
YIQ	104.6660, -27.8780, 9.6420

Conversions

Conversions Part 2

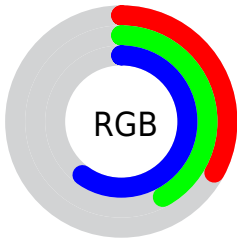
Format	Color
R_{YB}	84, 101, 152
Decimal	5532312
CIE _{Lab}	45.00, 4.59, -27.63
CIE _{LCh}	45, 28.006, 279.435
Yxy	14.5417, 0.2388, 0.2385
Android (android.graphics.Color)	4283722392 (0xFF546A98)
YUV	104.6660, 23.3357, -18.1241
Hunter-Lab	38.1336, 1.4117, -22.8667

Details

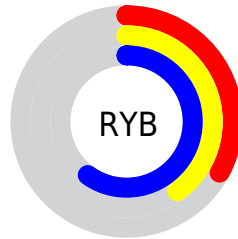
The CIELCh color **45, 28.006, 279.435** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **55, 28.027, 86.223**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 27.757, 279.628**, and **25, 28.220, 279.834** is the 20% darker color. If you saturate the color by 10%, you get **41, 34.610, 281.922**, and if you desaturate by 10%, it is **49, 21.540, 277.288**.

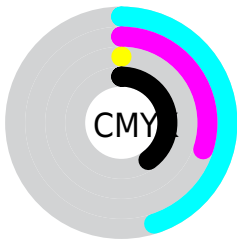
Distribution



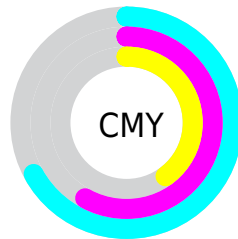
- Red (33%)
- Green (42%)
- Blue (60%)



- Red (33%)
- Yellow (40%)
- Blue (60%)



- Cyan (45%)
- Magenta (30%)
- Yellow (0%)
- Black (40%)



- Cyan (67%)
- Magenta (58%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 28.006, 279.435 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, 28.006, 279.435 by changing the saturation by 10% instead.

■ 45, 28.006,
279.435

■ 45, 28.006,
279.435

■ 100, 28.006,
279.435

■ 35, 28.006,
279.435

■ 65, 28.006,
279.435

■ 25, 28.006,
279.435

■ 75, 28.006,
279.435

■ 15, 28.006,
279.435

■ 85, 28.006,
279.435

■ 5, 28.006, 279.435

■ 95, 28.006,
279.435

■ 0, 28.006, 279.435

■ 45, 28.006,

■ 45, 28.006,

279.435

■ 41, 34.610,
281.922

■ 37, 41.379,
284.765

■ 34, 48.337,
287.941

■ 30, 55.478,
291.368

■ 27, 62.717,
294.881

■ 25, 66.584,
296.602

279.435

■ 49, 21.540,
277.288

■ 53, 15.194,
275.445

■ 57, 8.958, 273.870

■ 61, 2.825, 272.554

■ 65, 3.206, 91.250

■ 69, 9.136, 90.266

■ 73, 14.964, 89.381

■ 77, 20.690, 88.599

■ 81, 26.314, 87.905

Harmonies

Complementary

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



45, 28.006, 279.435



55, 28.027, 86.223

Rectangle

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



45, 28.006, 279.435



45, 28.006, 329.435



45, 28.006, 99.435



45, 28.006, 149.435

Sweetspot

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



45, 28.005, 279.435



74, 9.869, 273.670



58, 27.678, 169.088



38, 6.899, 273.967



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, 28.005, 279.435



53, 42.526, 282.039



40, 41.685, 300.981



30, 3.454, 273.119



23, 62.217, 296.332



1, 3.731, 272.344

Inverse Universe

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



44, 30.928, 359.766



53, 46.358, 1.775



61, 37.418, 113.582



30, 3.758, 355.153



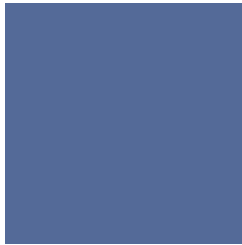
29, 55.293, 17.596



1, 3.981, 354.730

Previews

White Background



This preview shows how the CIE LCh color 45, 28.006, 279.435 looks on a white background.

Color Contrast Check

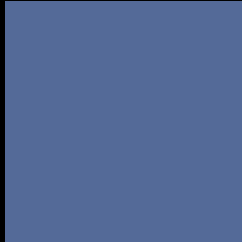
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.006, 279.435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

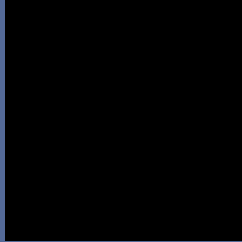
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

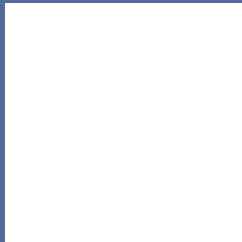
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 28.006, 279.435

Background



This preview shows how black text looks on a background with the CIELCh color 45, 28.006, 279.435.



This preview shows how white text looks on a background with the CIELCh color 45, 28.006, 279.435.

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, 28.006, 279.435

Protanopia

45, 27.601, 285.012

Deuteranopia

45, 28.926, 283.203



Tritanopia
45, 13.733, 221.314

Trichromacy



Original Color
45, 28.006, 279.435

Protanomaly
45, 27.728, 283.112

Deuteranomaly
45, 28.973, 282.619

Tritanomaly
45, 16.522, 251.752

Monochromacy



Original Color
45, 28.006, 279.435

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 10.533, 274.944

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 28.006, 279.435 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(84, 106, 152)` looks like.

```
.text, #text, p{  
    color:rgb(84, 106, 152)  
}
```

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(84, 106, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 106, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 28.006, 279.435 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(84, 106, 152) }
```

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

```
.border{ border-color:rgb(84, 106, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 106, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 106, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 106, 152);  
box-shadow:4px 4px 4px 4px rgb(84, 106,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 28.006, 279.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 106, 152) }
```

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

```
.background{ background-color: rgb(84, 106,  
152) }
```

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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