

Converting Colors

CIELCh(45, 28.853, 272.329)

Have a look what the booklet for
CIELCh(45, 28.853, 272.329)
contains.

CIELCh(45, 28.853, 272.329)	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, 28.853, 272.329)

Conversions

Conversions Part 1

Format	Color
Hex	496C9A
RGB	73, 108, 154
RGB Percent	29%, 42%, 60%
CMY	0.7127, 0.5756, 0.3951
CMYK	0.53, 0.30, 0.00, 0.40
HSL	214°, 36%, 45%
HSV	214°, 53%, 60%
XYZ	14.0072, 14.5417, 32.7491
YIQ	102.7790, -35.6260, 6.8860

Conversions

Conversions Part 2

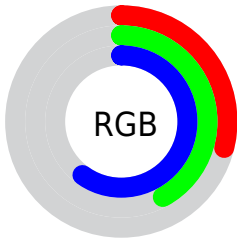
Format	Color
R_{YB}	73, 97, 154
Decimal	4811930
CIE _{Lab}	45.00, 1.17, -28.83
CIE _{LCh}	45, 28.853, 272.329
Yxy	14.5417, 0.2285, 0.2372
Android (android.graphics.Color)	4283002010 (0xFF496C9A)
YUV	102.7790, 25.2520, -26.1162
Hunter-Lab	38.1336, -1.1674, -24.2247

Details

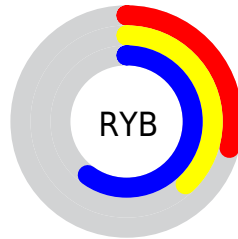
The CIELCh color **45, 28.853, 272.329** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **53, 31.377, 75.567**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 29.099, 273.020**, and **25, 29.067, 272.517** is the 20% darker color. If you saturate the color by 10%, you get **42, 34.356, 275.310**, and if you desaturate by 10%, it is **48, 23.363, 269.761**.

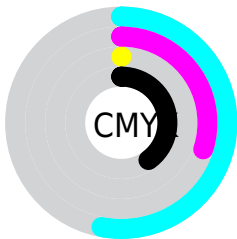
Distribution



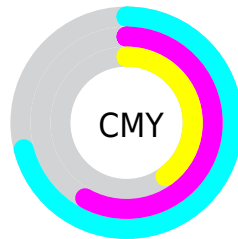
- Red (29%)
- Green (42%)
- Blue (60%)



- Red (29%)
- Yellow (38%)
- Blue (60%)



- Cyan (53%)
- Magenta (30%)
- Yellow (0%)
- Black (40%)




- Cyan (71%)
- Magenta (58%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 28.853, 272.329 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, 28.853, 272.329 by changing the saturation by 10% instead.


 45, 28.853,
272.329


 45, 28.853,
272.329


 100, 28.853,
272.329


 35, 28.853,
272.329

 65, 28.853,
272.329


 25, 28.853,
272.329

 75, 28.853,
272.329

 15, 28.853,
272.329

 85, 28.853,
272.329

 5, 28.853, 272.329

 95, 28.853,
272.329

 0, 28.853, 272.329

 45, 28.853,

 45, 28.853,

272.329

■ 42, 34.356,
275.310

■ 38, 39.909,
278.709

■ 35, 45.560,
282.484

■ 32, 51.352,
286.517

■ 30, 55.813,
289.437

272.329

■ 48, 23.363,
269.761

■ 52, 17.872,
267.568

■ 56, 12.374,
265.704

■ 59, 6.874, 264.127

■ 63, 1.382, 262.915

■ 66, 4.091, 81.493

■ 70, 9.535, 80.516

■ 74, 14.941, 79.644

■ 77, 20.299, 78.875

Harmonies

Complementary

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



45, 28.853, 272.329



53, 31.377, 75.567

Rectangle

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



45, 28.853, 272.329



45, 28.853, 322.329



45, 28.853, 92.329



45, 28.853, 142.329

Sweetspot

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



45, 28.852, 272.329



74, 10.930, 264.696



58, 35.158, 161.812



38, 7.439, 264.995



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, 28.852, 272.329



54, 43.046, 275.873



36, 50.202, 299.391



31, 3.085, 263.669



27, 51.613, 289.064



1, 3.356, 263.122

Inverse Universe

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



42, 38.104, 353.623



51, 55.457, 355.909



62, 43.571, 108.480



30, 4.003, 348.238



29, 54.113, 7.362



1, 4.251, 347.920

Previews

White Background



This preview shows how the CIE LCh color 45, 28.853, 272.329 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, 28.853, 272.329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

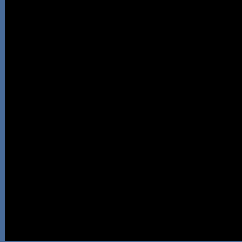
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 28.853, 272.329

Background



This preview shows how black text looks on a background with the CIELCh color 45, 28.853, 272.329.

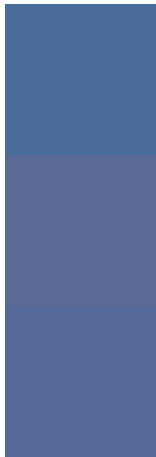


This preview shows how white text looks on a background with the CIELCh color 45, 28.853, 272.329.

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, 28.853, 272.329

Protanopia

45, 27.641, 284.372

Deuteranopia

45, 30.167, 282.762



Tritanopia
45, 17.779, 215.396

Trichromacy



Original Color
45, 28.853, 272.329

Protanomaly
45, 27.947, 280.022

Deuteranomaly
45, 29.874, 279.097

Tritanomaly
45, 19.156, 241.890

Monochromacy



Original Color
45, 28.853, 272.329

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 11.139, 265.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 28.853, 272.329 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(73, 108, 154)` looks like.

```
.text, #text, p{  
    color:rgb(73, 108, 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(73, 108, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 108, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 28.853, 272.329 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(73, 108, 154) }
```

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

```
.border{ border-color:rgb(73, 108, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 108, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 108, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 108, 154);  
box-shadow:4px 4px 4px 4px rgb(73, 108,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 28.853, 272.329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 108, 154) }
```

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

```
.background{ background-color: rgb(73, 108,  
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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