

Converting Colors

CIELCh(45, 28.146, 287.945)

Have a look what the booklet for
CIELCh(45, 28.146, 287.945)
contains.

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Color

CIELCh(45, 28.101, 287.903)

Conversions

Conversions Part 1

Format	Color
Hex	5F6897
RGB	95, 104, 151
RGB Percent	37%, 41%, 59%
CMY	0.6278, 0.5925, 0.4082
CMYK	0.37, 0.31, 0.00, 0.41
HSL	230°, 23%, 48%
HSV	230°, 37%, 59%
XYZ	15.2290, 14.5417, 31.2414
YIQ	106.6670, -20.4510, 12.7090

Conversions

Conversions Part 2

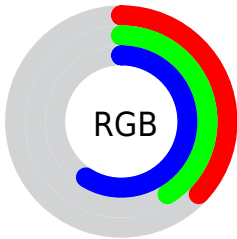
Format	Color
R_{YB}	95, 103, 151
Decimal	6252695
CIE _{Lab}	45.00, 8.64, -26.74
CIE _{LCh}	45, 28.101, 287.903
Yxy	14.5417, 0.2496, 0.2383
Android (android.graphics.Color)	4284442775 (0xFF5F6897)
YUV	106.6670, 21.8562, -10.2320
Hunter-Lab	38.1336, 4.5518, -21.8805

Details

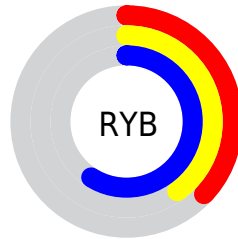
The CIELCh color `45, 28.101, 287.903` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `59, 26.566, 98.560`, and the grayscale version is `45, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 27.861, 287.650`, and `25, 28.371, 288.121` is the 20% darker color. If you saturate the color by 10%, you get `40, 36.302, 289.892`, and if you desaturate by 10%, it is `50, 20.186, 286.188`.

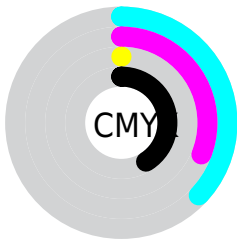
Distribution



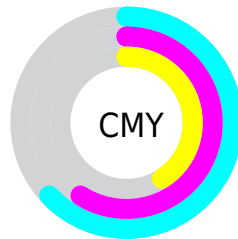
- Red (37%)
- Green (41%)
- Blue (59%)



- Red (37%)
- Yellow (40%)
- Blue (59%)



- Cyan (37%)
- Magenta (31%)
- Yellow (0%)
- Black (41%)




- Cyan (63%)
- Magenta (59%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 28.101, 287.903 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, 28.101, 287.903 by changing the saturation by 10% instead.


 45, 28.101,
287.903


 45, 28.101,
287.903


 100, 28.101,
287.903


 35, 28.101,
287.903

 65, 28.101,
287.903


 25, 28.101,
287.903

 75, 28.101,
287.903

 15, 28.101,
287.903

 85, 28.101,
287.903

 5, 28.101, 287.903

 95, 28.101,
287.903

 0, 28.101, 287.903

 45, 28.101,

 45, 28.101,

287.903

■ 40, 36.302,
289.892

■ 36, 44.805,
292.170

■ 31, 53.588,
294.715

■ 27, 62.527,
297.445

■ 23, 71.287,
300.188

■ 20, 79.227,
302.661

■ 20, 81.278,
303.241

287.903

■ 50, 20.186,
286.188

■ 54, 12.537,
284.719

■ 59, 5.132, 283.469

■ 64, 2.047, 102.308

■ 68, 9.016, 101.413

■ 73, 15.787,
100.605

■ 78, 22.369, 99.897

■ 82, 28.773, 99.275

■ 87, 35.007, 98.726

Harmonies

Complementary

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



45, 28.101, 287.903



59, 26.566, 98.560

Rectangle

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



45, 28.101, 287.903



45, 28.101, 337.903



45, 28.101, 107.903



45, 28.101, 157.903

Sweetspot

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



45, 28.100, 287.903



73, 9.903, 283.957



58, 20.664, 182.552



38, 6.719, 284.111



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, 28.100, 287.903



53, 42.887, 289.638



44, 34.284, 305.441



30, 4.140, 283.717



18, 76.650, 303.087



1, 4.432, 282.810

Inverse Universe

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



47, 24.473, 10.526



56, 37.369, 12.088



60, 31.925, 121.052



30, 3.512, 7.029



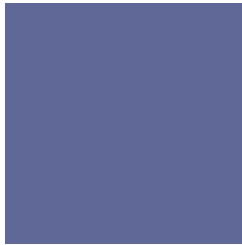
29, 60.386, 30.974



1, 3.700, 6.495

Previews

White Background



This preview shows how the CIELCh color 45, 28.101, 287.903 looks on a white background.

Color Contrast Check

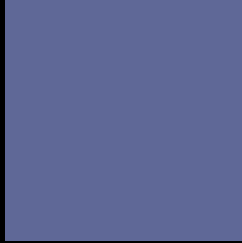
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.101, 287.903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

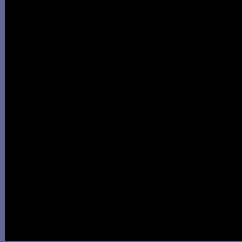
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 28.101, 287.903

Background



This preview shows how black text looks on a background with the CIELCh color 45, 28.101, 287.903.



This preview shows how white text looks on a background with the CIELCh color 45, 28.101, 287.903.

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, 28.101, 287.903

Protanopia

45, 28.182, 285.310

Deuteranopia

45, 27.683, 283.739



Tritanopia
45, 9.960, 231.420

Trichromacy



Original Color
45, 28.101, 287.903

Protanomaly
45, 28.146, 285.939

Deuteranomaly
45, 27.601, 285.012

Tritanomaly
45, 14.932, 266.538

Monochromacy



Original Color
45, 28.101, 287.903

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 10.186, 285.136

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 28.101, 287.903 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(95, 104, 151)` looks like.

```
.text, #text, p{  
    color:rgb(95, 104, 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(95, 104, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 104, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 28.101, 287.903 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(95, 104, 151) }
```

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

```
.border{ border-color:rgb(95, 104, 151) }
```

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

Here you see how a box with a 4 pixel rgb(95, 104, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 104, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 104, 151);  
box-shadow:4px 4px 4px 4px rgb(95, 104,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 28.101, 287.903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 104, 151) }
```

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

```
.background{ background-color: rgb(95, 104,  
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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