

Converting Colors

CIELCh(39, 25.711, 258.322)

Have a look what the booklet for
CIELCh(39, 25.711, 258.322)
contains.

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Color

CIELCh(39, 25.646, 258.565)

Conversions

Conversions Part 1

Format	Color
Hex	2D6084
RGB	45, 96, 132
RGB Percent	18%, 38%, 52%
CMY	0.8221, 0.6224, 0.4811
CMYK	0.66, 0.27, 0.00, 0.48
HSL	205°, 49%, 35%
HSV	205°, 66%, 52%
XYZ	9.4930, 10.6589, 23.4979
YIQ	84.8550, -41.9520, 0.3840

Conversions

Conversions Part 2

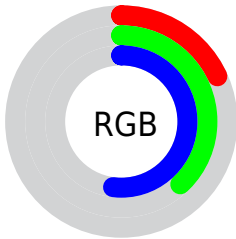
Format	Color
R_{YB}	45, 77, 132
Decimal	2973828
CIE _{Lab}	39.00, -5.08, -25.14
CIE _{LCh}	39, 25.646, 258.565
Yxy	10.6589, 0.2175, 0.2442
Android (android.graphics.Color)	4281163908 (0xFF2D6084)
YUV	84.8550, 23.2425, -34.9528
Hunter-Lab	32.6480, -5.2318, -19.8194

Details

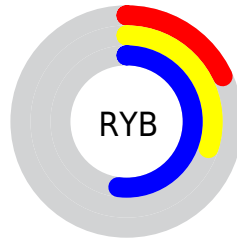
The CIELCh color **39, 25.646, 258.565** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **40, 34.569, 59.231**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 25.662, 258.898**, and **20, 23.815, 266.212** is the 20% darker color. If you saturate the color by 10%, you get **37, 28.873, 262.193**, and if you desaturate by 10%, it is **41, 22.240, 255.477**.

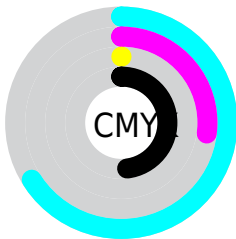
Distribution



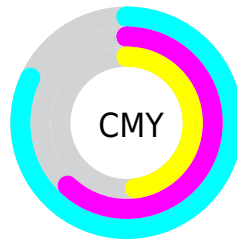
- Red (18%)
- Green (38%)
- Blue (52%)



- Red (18%)
- Yellow (30%)
- Blue (52%)



- Cyan (66%)
- Magenta (27%)
- Yellow (0%)
- Black (48%)





- Cyan (82%)
- Magenta (62%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 25.646, 258.565 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 39, 25.646, 258.565 by changing the saturation by 10% instead.


 39, 25.646,
258.565


 39, 25.646,
258.565

 100, 25.646,
258.565


 29, 25.646,
258.565

 59, 25.646,
258.565


 19, 25.646,
258.565


 69, 25.646,
258.565

 9, 25.646, 258.565

 79, 25.646,
258.565

 0, 25.646, 258.565

 89, 25.646,
258.565

 99, 25.646,
258.565

■ 39, 25.646,
258.565

■ 39, 25.646,
258.565

■ 37, 28.873,
262.193

■ 41, 22.240,
255.477

■ 35, 31.976,
266.354

■ 44, 18.635,
252.889

■ 33, 35.049,
270.909

■ 46, 14.835,
250.738

■ 32, 36.417,
272.753

■ 49, 10.857,
248.959

■ 51, 6.729, 247.496

■ 54, 2.480, 246.344

■ 56, 1.864, 65.013

■ 59, 6.277, 64.267

■ 62, 10.738, 63.554

Harmonies

Complementary

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



39, 25.646, 258.565



40, 34.569, 59.231

Rectangle

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



39, 25.646, 258.565



39, 25.646, 308.565



39, 25.646, 78.565



39, 25.646, 128.565

Sweetspot

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



39, 25.645, 258.565



64, 10.484, 248.150



49, 43.650, 151.624



32, 7.184, 248.509



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



39, 25.645, 258.565



46, 36.705, 264.221



26, 50.630, 296.778



27, 2.438, 246.692



31, 35.917, 272.661



0, 0.590, 245.617

Inverse Universe

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



33, 43.980, 345.870



40, 60.446, 348.497



51, 43.085, 99.105



26, 3.939, 339.933



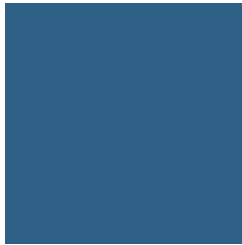
28, 52.975, 353.093



0, 0.935, 339.300

Previews

White Background



This preview shows how the CIE LCh color 39, 25.646, 258.565 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 39, 25.646, 258.565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

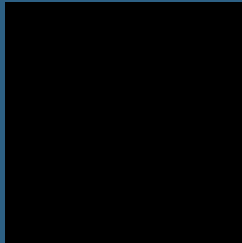
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 25.646, 258.565

Background



This preview shows how black text looks on a background with the CIELCh color 39, 25.646, 258.565.

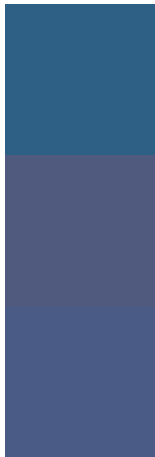


This preview shows how white text looks on a background with the CIELCh color 39, 25.646, 258.565.

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


39, 25.646, 258.565

Protanopia

39, 22.814, 284.939

Deuteranopia

39, 26.648, 282.162



Tritanopia
39, 21.242, 210.519

Trichromacy



Original Color
39, 25.646, 258.565

Protanomaly
39, 23.697, 273.586

Deuteranomaly
39, 25.652, 273.056

Tritanomaly
39, 20.990, 229.576

Monochromacy



Original Color
39, 25.646, 258.565

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 10.335, 250.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 25.646, 258.565 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(45, 96, 132)` looks like.

```
.text, #text, p{  
    color:rgb(45, 96, 132)  
}
```

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(45, 96, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 96, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 25.646, 258.565 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(45, 96, 132) }
```

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

```
.border{ border-color:rgb(45, 96, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 96, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 96, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 96, 132);  
box-shadow:4px 4px 4px 4px rgb(45, 96,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 25.646, 258.565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 96, 132) }
```

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

```
.background{ background-color: rgb(45, 96,  
132) }
```

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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