

Converting Colors

CIELCh(25, 38.170, 281.531)

Have a look what the booklet for
CIELCh(25, 38.170, 281.531)
contains.

CIELCh(25, 38.068, 281.507)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(25, 38.068, 281.507)

Conversions

Conversions Part 1

Format	Color
Hex	033B74
RGB	3, 59, 116
RGB Percent	1%, 23%, 45%
CMY	0.9877, 0.7684, 0.5449
CMYK	0.97, 0.49, 0.00, 0.54
HSL	210°, 95%, 23%
HSV	210°, 97%, 46%
XYZ	4.7614, 4.4155, 17.1416
YIQ	48.7540, -51.6730, 5.8550

Conversions

Conversions Part 2

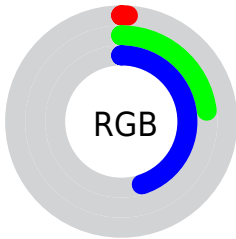
Format	Color
R_YB	3, 40, 116
Decimal	211828
CIE Lab	25.00, 7.59, -37.30
CIE LCh	25, 38.068, 281.507
Yxy	4.4155, 0.1809, 0.1678
Android (android.graphics.Color)	4278401908 (0xFF033B74)
YUV	48.7540, 33.1523, -40.1263
Hunter-Lab	21.0130, 3.6739, -33.6573

Details

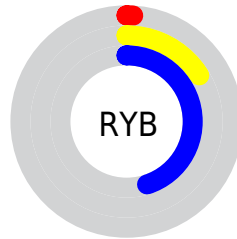
The CIELCh color **25, 38.068, 281.507** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **32, 45.872, 62.968**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 38.096, 281.482**, and **7, 37.212, 296.340** is the 20% darker color. If you saturate the color by 10%, you get **24, 39.154, 282.519**, and if you desaturate by 10%, it is **27, 34.194, 277.418**.

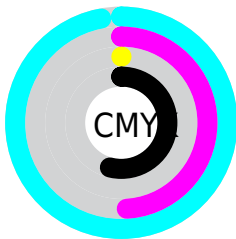
Distribution



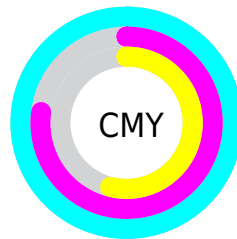
- Red (1%)
- Green (23%)
- Blue (45%)



- Red (1%)
- Yellow (16%)
- Blue (45%)



- Cyan (97%)
- Magenta (49%)
- Yellow (0%)
- Black (54%)



- Cyan (99%)
- Magenta (77%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 38.068, 281.507 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 25, 38.068, 281.507 by changing the saturation by 10% instead.

■ 25, 38.068,
281.507

■ 25, 38.068,
281.507

■ 100, 38.068,
281.507

■ 15, 38.068,
281.507

■ 45, 38.068,
281.507

■ 5, 38.068, 281.507

■ 55, 38.068,
281.507

■ 0, 38.068, 281.507

■ 65, 38.068,
281.507

■ 75, 38.068,
281.507

■ 85, 38.068,
281.507

■ 95, 38.068,

281.507

■ 25, 38.068,
281.507

■ 25, 38.068,
281.507

■ 24, 39.154,
282.519

■ 27, 34.194,
277.418

■ 29, 30.416,
273.456

■ 32, 26.656,
269.895

■ 34, 22.868,
266.779

■ 37, 19.022,
264.100

■ 39, 15.108,
261.820

■ 42, 11.126,
259.890

■ 44, 7.086, 258.261

■ 47, 3.002, 256.912

Harmonies

Complementary

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



25, 38.068, 281.507



32, 45.872, 62.968

Rectangle

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



25, 38.068, 281.507



25, 38.068, 331.507



25, 38.068, 101.507



25, 38.068, 151.507

Sweetspot

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



25, 38.068, 281.509



53, 14.604, 260.332



43, 47.884, 150.670



26, 10.077, 260.982



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



25, 38.068, 281.509



32, 48.418, 283.763



12, 73.149, 305.869



23, 2.336, 257.126



26, 40.899, 282.800



53, 73.186, 285.448

Inverse Universe

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



24, 47.010, 359.708



32, 57.200, 1.704



47, 53.511, 102.938



23, 3.340, 344.583



25, 49.339, 0.804



54, 83.298, 3.368

Previews

White Background



This preview shows how the CIE LCh color 25, 38.068, 281.507 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 25, 38.068, 281.507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

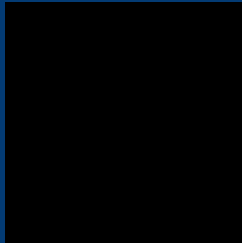
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 38.068, 281.507

Background



This preview shows how black text looks on a background with the CIELCh color 25, 38.068, 281.507.



This preview shows how white text looks on a background with the CIELCh color 25, 38.068, 281.507.

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

25, 38.068, 281.507

Protanopia

25, 37.626, 285.862

Deuteranopia

25, 31.666, 273.564



Tritanopia
25, 18.379, 207.094

Trichromacy



Original Color
25, 38.068, 281.507

Protanomaly
25, 37.845, 283.955

Deuteranomaly
25, 33.946, 276.901

Tritanomaly
24, 20.959, 247.641

Monochromacy



Original Color
25, 38.068, 281.507

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 15.013, 263.602

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 38.068, 281.507 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(3, 59, 116)` looks like.

```
.text, #text, p{  
    color:rgb(3, 59, 116)  
}
```

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(3, 59, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 59, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 38.068, 281.507 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(3, 59, 116) }
```

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

```
.border{ border-color:rgb(3, 59, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 59, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 59, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 59, 116);  
box-shadow:4px 4px 4px 4px rgb(3, 59, 116)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 38.068, 281.507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 59, 116) }
```

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

```
.background{ background-color: rgb(3, 59,  
116) }
```

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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