

Converting Colors

CIELCh(25, 23.934, 258.107)

Have a look what the booklet for
CIELCh(25, 23.934, 258.107)
contains.

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Color

CIELCh(25, 23.828, 258.171)

Conversions

Conversions Part 1

Format	Color
Hex	033F5E
RGB	3, 63, 94
RGB Percent	1%, 25%, 37%
CMY	0.9900, 0.7519, 0.6302
CMYK	0.97, 0.33, 0.00, 0.63
HSL	200°, 95%, 19%
HSV	200°, 97%, 37%
XYZ	3.8583, 4.4155, 11.3088
YIQ	48.5940, -45.7110, -3.0790

Conversions

Conversions Part 2

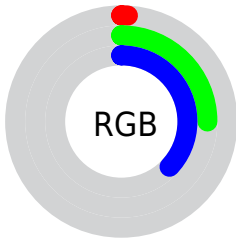
Format	Color
R _Y B	3, 39, 94
Decimal	212830
CIE Lab	25.00, -4.88, -23.32
CIE LCh	25, 23.828, 258.171
Yxy	4.4155, 0.1970, 0.2255
Android (android.graphics.Color)	4278402910 (0xFF033F5E)
YUV	48.5940, 22.3852, -39.9859
Hunter-Lab	21.0130, -3.9974, -17.1995

Details

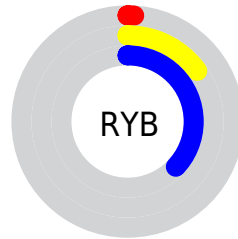
The CIELCh color **25, 23.828, 258.171** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **22, 40.683, 49.931**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 24.100, 259.516**, and **7, 20.780, 280.113** is the 20% darker color. If you saturate the color by 10%, you get **25, 24.307, 259.161**, and if you desaturate by 10%, it is **26, 22.135, 254.186**.

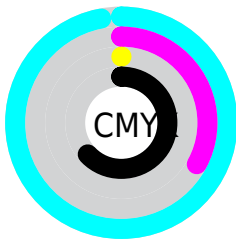
Distribution



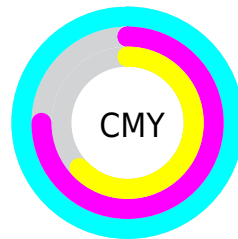
- Red (1%)
- Green (25%)
- Blue (37%)



- Red (1%)
- Yellow (15%)
- Blue (37%)



- Cyan (97%)
- Magenta (33%)
- Yellow (0%)
- Black (63%)



- Cyan (99%)
- Magenta (75%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 23.828, 258.171 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, 23.828, 258.171 by changing the saturation by 10% instead.

■ 25, 23.828,
258.171

■ 25, 23.828,
258.171

■ 100, 23.828,
258.171

■ 15, 23.828,
258.171

■ 45, 23.828,
258.171

■ 5, 23.828, 258.171

■ 55, 23.828,
258.171

■ 0, 23.828, 258.171

■ 65, 23.828,
258.171

■ 75, 23.828,
258.171

■ 85, 23.828,
258.171

■ 95, 23.828,

258.171

■ 25, 23.828,
258.171

■ 25, 23.828,
258.171

■ 25, 24.307,
259.161

■ 26, 22.135,
254.186

■ 28, 20.380,
250.413

■ 29, 18.427,
247.209

■ 31, 16.248,
244.540

■ 32, 13.842,
242.343

■ 34, 11.222,
240.547

■ 35, 8.413, 239.088

■ 37, 5.442, 237.911

■ 39, 2.338, 237.004

Harmonies

Complementary

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



25, 23.828, 258.171



22, 40.683, 49.931

Rectangle

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



25, 23.828, 258.171



25, 23.828, 308.171



25, 23.828, 78.171



25, 23.828, 128.171

Sweetspot

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



25, 23.827, 258.172



45, 11.012, 239.437



34, 47.426, 144.103



22, 7.436, 239.839



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



25, 23.827, 258.172



32, 29.727, 260.872



11, 53.832, 301.244



18, 1.750, 237.117



29, 27.299, 260.198



62, 49.958, 263.771

Inverse Universe

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



19, 43.609, 345.718



26, 52.756, 346.875



34, 41.386, 91.855



17, 3.050, 336.403



23, 48.886, 346.578



52, 85.121, 348.213

Previews

White Background



This preview shows how the CIE LCh color 25, 23.828, 258.171 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, 23.828, 258.171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

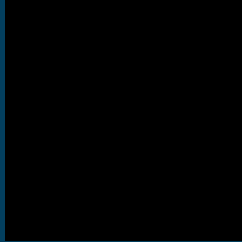
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 23.828, 258.171

Background



This preview shows how black text looks on a background with the CIELCh color 25, 23.828, 258.171.



This preview shows how white text looks on a background with the CIELCh color 25, 23.828, 258.171.

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, 23.775, 258.392

Protanopia

25, 20.534, 284.424

Deuteranopia

25, 23.522, 278.980



Tritanopia
25, 18.379, 207.094

Trichromacy



Original Color
25, 23.775, 258.392

Protanomaly
25, 21.757, 269.915

Deuteranomaly
25, 23.893, 269.800

Tritanomaly
25, 18.513, 227.446

Monochromacy



Original Color
25, 23.775, 258.392

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 10.860, 241.788

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 23.828, 258.171 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, 63, 94)` looks like.

```
.text, #text, p{  
    color:rgb(3, 63, 94)  
}
```

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, 63, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 63, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 23.828, 258.171 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, 63, 94) }
```

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

```
.border{ border-color:rgb(3, 63, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 63, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 63, 94); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 63, 94); box-shadow:4px  
4px 4px 4px rgb(3, 63, 94) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 23.828, 258.171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 63, 94) }
```

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

```
.background{ background-color: rgb(3, 63,  
94) }
```

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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