

Converting Colors

CIELCh(25, 11.805, 238.516)

Have a look what the booklet for
CIELCh(25, 11.805, 238.516)
contains.

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Color

CIELCh(25, 11.748, 236.576)

Conversions

Conversions Part 1

Format	Color
Hex	253F4A
RGB	37, 63, 74
RGB Percent	15%, 25%, 29%
CMY	0.8557, 0.7537, 0.7106
CMYK	0.50, 0.15, 0.00, 0.71
HSL	198°, 33%, 22%
HSV	198°, 50%, 29%
XYZ	3.7524, 4.4155, 7.0986
YIQ	56.4800, -19.0270, -2.0910

Conversions

Conversions Part 2

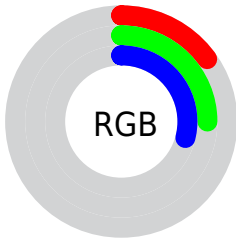
Format	Color
RYB	37, 52, 74
Decimal	2441034
CIELab	25.00, -6.47, -9.81
CIELCh	25, 11.748, 236.576
Yxy	4.4155, 0.2458, 0.2892
Android (android.graphics.Color)	4280631114 (0xFF253F4A)
YUV	56.4800, 8.6374, -17.0840
Hunter-Lab	21.0130, -4.8969, -5.3201




Details

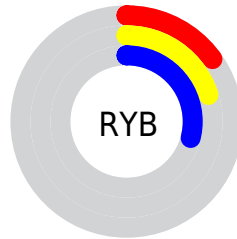
The CIELCh color **25, 11.748, 236.576** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 15.717, 48.912**, and the grayscale version is **24, 0.004, 296.813**.




A 20% lighter version of the original color is **45, 11.921, 235.648**, and **6, 9.449, 245.311** is the 20% darker color. If you saturate the color by 10%, you get **24, 13.588, 238.503**, and if you desaturate by 10%, it is **26, 9.709, 235.010**.

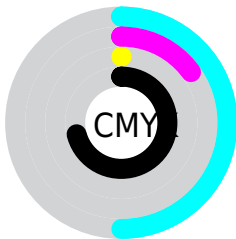
Distribution







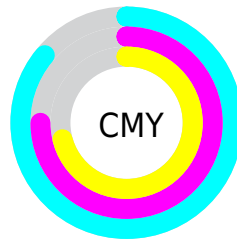
-  Red (15%)
-  Green (25%)
-  Blue (29%)






-  Red (15%)
-  Yellow (20%)
-  Blue (29%)



-  Cyan (50%)
-  Magenta (15%)
-  Yellow (0%)
-  Black (71%)



-  Cyan (86%)
-  Magenta (75%)
-  Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 11.748, 236.576 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, 11.748, 236.576 by changing the saturation by 10% instead.

■ 25, 11.748,
236.576

■ 25, 11.748,
236.576

■ 100, 11.748,
236.576

■ 15, 11.748,
236.576

■ 45, 11.748,
236.576

■ 5, 11.748, 236.576

■ 55, 11.748,
236.576

■ 0, 11.748, 236.576

■ 65, 11.748,
236.576

■ 75, 11.748,
236.576

■ 85, 11.748,
236.576

■ 95, 11.748,

236.576

■ 25, 11.748,
236.576

■ 25, 11.748,
236.576

■ 24, 13.588,
238.503

■ 26, 9.709, 235.010

■ 23, 15.215,
240.861

■ 27, 7.493, 233.749

■ 29, 5.126, 232.742

■ 22, 16.627,
243.714

■ 30, 2.632, 231.965

■ 21, 17.857,
247.037

■ 31, 0.036, 238.070

■ 33, 2.641, 50.584

■ 20, 19.111,
250.048

■ 34, 5.382, 50.205

■ 36, 8.168, 49.878

Harmonies

Complementary

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



25, 11.748, 236.576



23, 15.717, 48.912

Rectangle

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



25, 11.748, 236.576



25, 11.748, 286.576



25, 11.748, 56.576



25, 11.748, 106.576

Sweetspot

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



25, 11.748, 236.574



39, 4.832, 232.360



28, 23.388, 149.579



18, 3.245, 232.442



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



25, 11.748, 236.574



32, 16.841, 238.992



19, 19.936, 286.675



13, 1.413, 231.868



28, 23.829, 252.332



62, 44.918, 256.322

Inverse Universe

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



21, 23.364, 337.591



25, 34.207, 338.625



28, 18.893, 93.964



13, 2.535, 334.649



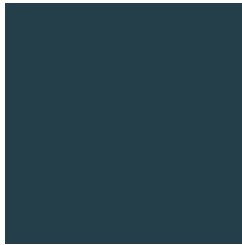
21, 46.873, 343.449



51, 84.466, 344.966

Previews

White Background



This preview shows how the CIELCh color 25, 11.748, 236.576 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 CIELCh color 25, 11.748, 236.576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

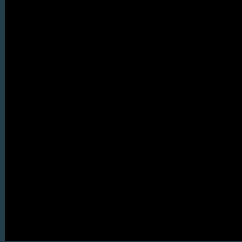
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

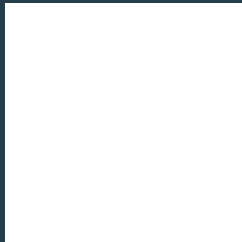
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 25, 11.748, 236.576

Background



This preview shows how black text looks on a background with the CIELCh color 25, 11.748, 236.576.



This preview shows how white text looks on a background with the CIELCh color 25, 11.748, 236.576.

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, 11.748, 236.576

Protanopia

25, 7.933, 285.781

Deuteranopia

25, 11.218, 290.419



Tritanopia
25, 11.331, 214.774

Trichromacy



Original Color
25, 11.748, 236.576

Protanomaly
25, 8.747, 264.423

Deuteranomaly
25, 10.502, 270.171

Tritanomaly
25, 11.293, 222.153

Monochromacy



Original Color
25, 11.748, 236.576

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 4.615, 234.154

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 11.748, 236.576 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(37, 63, 74)` looks like.

```
.text, #text, p{  
    color:rgb(37, 63, 74)  
}
```

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(37, 63, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 63, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 11.748, 236.576 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(37, 63, 74) }
```

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

```
.border{ border-color:rgb(37, 63, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 63, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 63, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 63, 74);  
box-shadow:4px 4px 4px 4px rgb(37, 63, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 11.748, 236.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 63, 74) }
```

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

```
.background{ background-color: rgb(37, 63,  
74) }
```

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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