

Converting Colors

CIELCh(25, 12.063, 306.302)

Have a look what the booklet for
CIELCh(25, 12.063, 306.302)
contains.

CIELCh(25, 12.299, 306.298)	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, 12.299, 306.298)

Conversions

Conversions Part 1

Format	Color
Hex	3F384A
RGB	63, 56, 74
RGB Percent	25%, 22%, 29%
CMY	0.7519, 0.7794, 0.7088
CMYK	0.15, 0.24, 0.00, 0.71
HSL	263°, 14%, 26%
HSV	263°, 24%, 29%
XYZ	4.7371, 4.4155, 7.1270
YIQ	60.1450, -1.6060, 7.0820

Conversions

Conversions Part 2

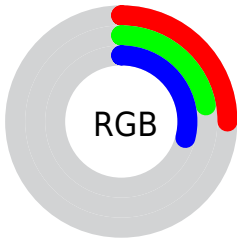
Format	Color
RYB	63, 56, 74
Decimal	4143178
CIELab	25.00, 7.28, -9.91
CIELCh	25, 12.299, 306.298
Yxy	4.4155, 0.2910, 0.2712
Android (android.graphics.Color)	4282333258 (0xFF3F384A)
YUV	60.1450, 6.8305, 2.5038
Hunter-Lab	21.0130, 3.4680, -5.4003

Details

The CIELCh color **25, 12.299, 306.298** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **30, 11.851, 123.994**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 12.406, 306.312**, and **5, 11.987, 306.318** is the 20% darker color. If you saturate the color by 10%, you get **22, 17.607, 306.877**, and if you desaturate by 10%, it is **28, 7.125, 305.764**.

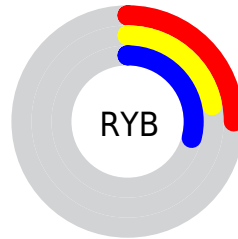
Distribution



Red (25%)

Green (22%)

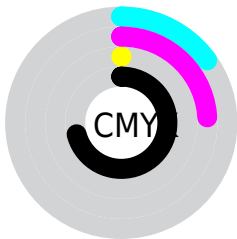
Blue (29%)



Red (25%)

Yellow (22%)

Blue (29%)

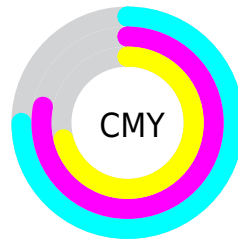


Cyan (15%)

Magenta (24%)

Yellow (0%)

Black (71%)



Cyan (75%)


Magenta (78%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 12.299, 306.298 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, 12.299, 306.298 by changing the saturation by 10% instead.

 25, 12.299,
306.298


 25, 12.299,
306.298

 100, 12.299,
306.298

 15, 12.299,
306.298


 45, 12.299,
306.298


 5, 12.299, 306.298

 55, 12.299,
306.298

 0, 12.299, 306.298

 65, 12.299,
306.298

 75, 12.299,
306.298

 85, 12.299,
306.298

 95, 12.299,

306.298

■ 25, 12.299,
306.298

■ 25, 12.299,
306.298

■ 22, 17.607,
306.877

■ 28, 7.125, 305.764

■ 20, 23.026,
307.496

■ 30, 2.098, 305.270

■ 17, 28.503,
308.136

■ 33, 2.781, 124.873

■ 15, 33.946,
308.768

■ 36, 7.513, 124.481

■ 12, 39.196,
309.341

■ 38, 12.104,
124.140

■ 10, 44.008,
309.778

■ 41, 16.559,
123.842

■ 44, 20.886,
123.580

■ 8, 48.619, 310.239

■ 46, 25.091,
123.352

■ 7, 51.504, 310.616

■ 49, 29.181,
123.153

Harmonies

Complementary

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



25, 12.299, 306.298



30, 11.851, 123.994

Rectangle

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



25, 12.299, 306.298



25, 12.299, 356.298



25, 12.299, 126.298



25, 12.299, 176.298

Sweetspot

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



25, 12.298, 306.297



39, 4.320, 305.417



28, 6.282, 244.536



19, 2.769, 305.423



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, 12.298, 306.297



31, 18.482, 306.632



26, 13.662, 322.273



14, 2.837, 305.487



12, 64.736, 310.272



34, 118.140, 309.527

Inverse Universe

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



26, 10.791, 339.811



33, 16.113, 340.277



30, 13.583, 140.042



14, 2.519, 338.654



21, 45.286, 350.191



50, 80.903, 352.415

Previews

White Background



This preview shows how the CIE LCh color 25, 12.299, 306.298 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, 12.299, 306.298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

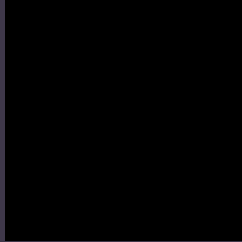
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 12.299, 306.298

Background



This preview shows how black text looks on a background with the CIELCh color 25, 12.299, 306.298.



This preview shows how white text looks on a background with the CIELCh color 25, 12.299, 306.298.

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, 12.299, 306.298

Protanopia

25, 11.268, 284.317

Deuteranopia

25, 10.560, 292.353



Tritanopia
25, 3.578, 312.752

Trichromacy



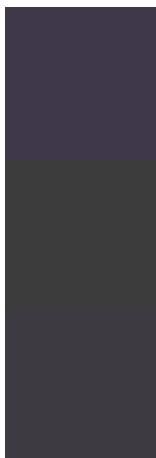
Original Color
25, 12.299, 306.298

Protanomaly
25, 11.217, 292.482

Deuteranomaly
25, 11.329, 298.755

Tritanomaly
25, 6.989, 309.659

Monochromacy



Original Color
25, 12.299, 306.298

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 4.063, 303.492

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 12.299, 306.298 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(63, 56, 74)` looks like.

```
.text, #text, p{  
    color:rgb(63, 56, 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(63, 56, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 56, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 12.299, 306.298 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(63, 56, 74) }
```

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

```
.border{ border-color:rgb(63, 56, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 56, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 56, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 56, 74);  
box-shadow:4px 4px 4px 4px rgb(63, 56, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 12.299, 306.298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 56, 74) }
```

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

```
.background{ background-color: rgb(63, 56,  
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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