

Converting Colors

CIELCh(25, 33.612, 305.029)

Have a look what the booklet for
CIELCh(25, 33.612, 305.029)
contains.

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Color

CIELCh(25, 33.276, 304.662)

Conversions

Conversions Part 1

Format	Color
Hex	413365
RGB	65, 51, 101
RGB Percent	25%, 20%, 40%
CMY	0.7455, 0.8004, 0.6044
CMYK	0.36, 0.50, 0.00, 0.60
HSL	257°, 33%, 30%
HSV	257°, 50%, 40%
XYZ	5.6946, 4.4155, 12.8335
YIQ	60.8860, -7.7060, 18.5180

Conversions

Conversions Part 2

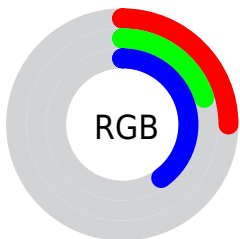
Format	Color
R_{YB}	65, 51, 101
Decimal	4272997
CIE _{Lab}	25.00, 18.93, -27.37
CIE _{LCh}	25, 33.276, 304.662
Yxy	4.4155, 0.2482, 0.1924
Android (android.graphics.Color)	4282463077 (0xFF413365)
YUV	60.8860, 19.7762, 3.6080
Hunter-Lab	21.0130, 11.6013, -21.5016

Details

The CIELCh color **25, 33.276, 304.662** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **40, 30.001, 118.321**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 32.887, 304.714**, and **5, 33.678, 304.959** is the 20% darker color. If you saturate the color by 10%, you get **22, 40.445, 305.586**, and if you desaturate by 10%, it is **29, 26.181, 303.782**.

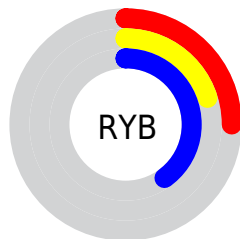
Distribution



 Red (25%)

 Green (20%)

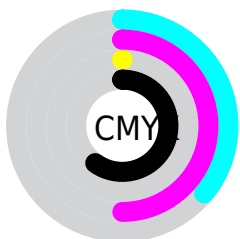
 Blue (40%)





 Red (25%)

 Yellow (20%)

 Blue (40%)

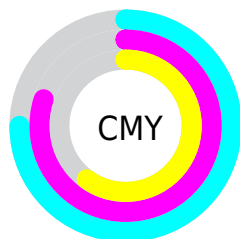


 Cyan (36%)

 Magenta (50%)

 Yellow (0%)

 Black (60%)



 Cyan (75%)


 Magenta (80%)


 Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 33.276, 304.662 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, 33.276, 304.662 by changing the saturation by 10% instead.

 25, 33.276,
304.662


 25, 33.276,
304.662

 100, 33.276,
304.662


 15, 33.276,
304.662


 45, 33.276,
304.662


 5, 33.276, 304.662

 55, 33.276,
304.662

 0, 33.276, 304.662

 65, 33.276,
304.662

 75, 33.276,
304.662

 85, 33.276,
304.662

 95, 33.276,

304.662

■ 25, 33.276,
304.662

■ 25, 33.276,
304.662

■ 22, 40.445,
305.586

■ 29, 26.181,
303.782

■ 18, 47.510,
306.499

■ 32, 19.251,
302.971

■ 15, 54.146,
307.311

■ 36, 12.526,
302.239

■ 13, 59.846,
307.887

■ 39, 6.018, 301.588

■ 43, 0.273, 121.111

■ 11, 65.254,
308.548

■ 46, 6.353, 120.522

■ 10, 65.525,
308.593

■ 50, 12.233,
120.082

■ 54, 17.924,
119.701

■ 57, 23.436,
119.370

Harmonies

Complementary

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



25, 33.276, 304.662



40, 30.001, 118.321

Rectangle

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



25, 33.276, 304.662



25, 33.276, 354.662



25, 33.276, 124.662



25, 33.276, 174.662

Sweetspot

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



25, 33.275, 304.662



48, 11.760, 301.961



35, 14.875, 232.313



24, 8.106, 302.061



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



25, 33.275, 304.662



29, 49.421, 305.689



28, 34.924, 319.766



19, 3.566, 301.550



13, 71.908, 308.453



33, 125.576, 307.930

Inverse Universe

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



29, 30.185, 336.944



35, 43.208, 337.892



39, 34.112, 135.259



20, 3.477, 334.007



24, 52.279, 342.614



54, 89.679, 343.768

Previews

White Background



This preview shows how the CIELCh color 25, 33.276, 304.662 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, 33.276, 304.662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

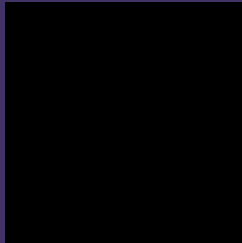
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 33.276, 304.662

Background



This preview shows how black text looks on a background with the CIELCh color 25, 33.276, 304.662.



This preview shows how white text looks on a background with the CIELCh color 25, 33.276, 304.662.

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, 33.276, 304.662

Protanopia

25, 33.060, 285.538

Deuteranopia

25, 26.351, 277.754



Tritanopia
25, 2.917, 264.064

Trichromacy



Original Color
25, 33.276, 304.662

Protanomaly
25, 32.911, 291.872

Deuteranomaly
25, 28.371, 288.121

Tritanomaly
25, 13.290, 298.103

Monochromacy



Original Color
25, 33.276, 304.662

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 12.744, 301.973

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 33.276, 304.662 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(65, 51, 101)` looks like.

```
.text, #text, p{  
    color:rgb(65, 51, 101)  
}
```

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(65, 51, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 51, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 33.276, 304.662 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(65, 51, 101) }
```

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

```
.border{ border-color:rgb(65, 51, 101) }
```

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

Here you see how a box with a 4 pixel rgb(65, 51, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 51, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 51, 101);  
box-shadow:4px 4px 4px 4px rgb(65, 51,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 33.276, 304.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 51, 101) }
```

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

```
.background{ background-color: rgb(65, 51,  
101) }
```

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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