

Converting Colors

CIELCh(25, 33.175, 304.027)

Have a look what the booklet for
CIELCh(25, 33.175, 304.027)
contains.

CIELCh(25, 33.249, 304.066)	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, 33.249, 304.066)

Conversions

Conversions Part 1

Format	Color
Hex	403365
RGB	64, 51, 101
RGB Percent	25%, 20%, 40%
CMY	0.7485, 0.7995, 0.6034
CMYK	0.37, 0.49, 0.00, 0.60
HSL	256°, 33%, 30%
HSV	256°, 49%, 40%
XYZ	5.6684, 4.4155, 12.9015
YIQ	60.5870, -8.3020, 18.3060

Conversions

Conversions Part 2

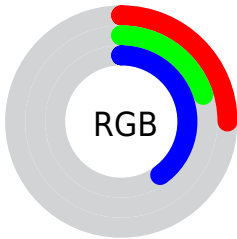
Format	Color
R_{YB}	64, 51, 101
Decimal	4207461
CIE _{Lab}	25.00, 18.62, -27.54
CIE _{LCh}	25, 33.249, 304.066
Yxy	4.4155, 0.2466, 0.1921
Android (android.graphics.Color)	4282397541 (0xFF403365)
YUV	60.5870, 19.9236, 2.9932
Hunter-Lab	21.0130, 11.3785, -21.6936

Details

The CIELCh color **25, 33.249, 304.066** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **41, 29.905, 117.489**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 32.835, 304.108**, and **5, 33.621, 304.376** is the 20% darker color. If you saturate the color by 10%, you get **22, 40.456, 305.044**, and if you desaturate by 10%, it is **29, 26.131, 303.140**.

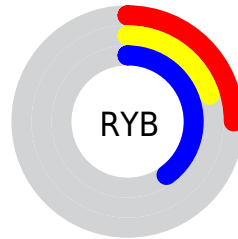
Distribution



Red (25%)

Green (20%)

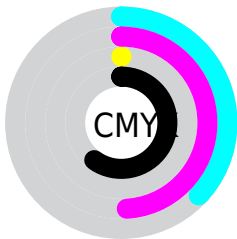
Blue (40%)



Red (25%)

Yellow (20%)

Blue (40%)

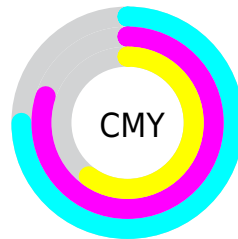


Cyan (37%)

Magenta (49%)

Yellow (0%)

Black (60%)



Cyan (75%)


Magenta (80%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 33.249, 304.066 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, 33.249, 304.066 by changing the saturation by 10% instead.

 25, 33.249,
304.066


 25, 33.249,
304.066

 100, 33.249,
304.066


 15, 33.249,
304.066


 45, 33.249,
304.066


 5, 33.249, 304.066

 55, 33.249,
304.066

 0, 33.249, 304.066

 65, 33.249,
304.066

 75, 33.249,
304.066

 85, 33.249,
304.066

 95, 33.249,

304.066

■ 25, 33.249,
304.066

■ 25, 33.249,
304.066

■ 22, 40.456,
305.044

■ 29, 26.131,
303.140

■ 18, 47.577,
306.022

■ 32, 19.189,
302.292

■ 15, 54.286,
306.904

■ 36, 12.460,
301.531

■ 13, 60.068,
307.553

■ 39, 5.953, 300.855

■ 10, 65.526,
308.280

■ 43, 0.334, 120.327

■ 47, 6.408, 119.751

■ 10, 65.860,
308.338

■ 50, 12.281,
119.298

■ 54, 17.963,
118.905

■ 57, 23.466,
118.565

Harmonies

Complementary

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



25, 33.249, 304.066



41, 29.905, 117.489

Rectangle

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



25, 33.249, 304.066



25, 33.249, 354.066



25, 33.249, 124.066



25, 33.249, 174.066

Sweetspot

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



25, 33.248, 304.066



49, 11.922, 301.250



35, 14.875, 229.810



24, 8.088, 301.352



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, 33.248, 304.066



29, 50.218, 305.174



28, 34.840, 319.245



19, 3.558, 300.822



13, 72.141, 308.207



33, 125.961, 307.710

Inverse Universe

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



29, 30.590, 336.073



36, 44.453, 336.988



39, 33.947, 134.809



20, 3.526, 333.235



25, 52.965, 341.321



54, 90.894, 342.355

Previews

White Background



This preview shows how the CIE LCh color 25, 33.249, 304.066 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, 33.249, 304.066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

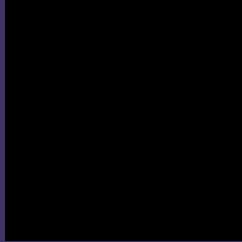
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 33.249, 304.066

Background



This preview shows how black text looks on a background with the CIELCh color 25, 33.249, 304.066.



This preview shows how white text looks on a background with the CIELCh color 25, 33.249, 304.066.

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

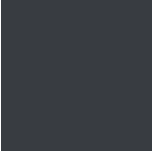
25, 33.249, 304.066

Protanopia

25, 33.060, 285.538

Deuteranopia

25, 26.351, 277.754



Tritanopia
25, 3.684, 262.881

Trichromacy



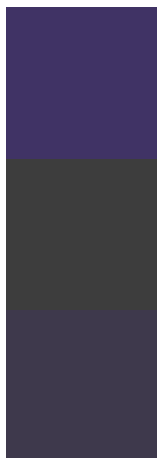
Original Color
25, 33.249, 304.066

Protanomaly
25, 32.850, 291.292

Deuteranomaly
25, 28.402, 287.558

Tritanomaly
25, 13.912, 296.302

Monochromacy



Original Color
25, 33.249, 304.066

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, 33.249, 304.066 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(64, 51, 101)` looks like.

```
.text, #text, p{  
    color:rgb(64, 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(64, 51, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 51, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 33.249, 304.066 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(64, 51, 101) }
```

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

```
.border{ border-color:rgb(64, 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(64, 51, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 51, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 51, 101);  
box-shadow:4px 4px 4px 4px rgb(64, 51,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 33.249, 304.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 51, 101) }
```

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

```
.background{ background-color: rgb(64, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor