

Converting Colors

CIELCh(25, 33.473, 342.889)

Have a look what the booklet for
CIELCh(25, 33.473, 342.889)
contains.

CIELCh(25, 33.621, 342.362)	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, 33.621, 342.362)

Conversions

Conversions Part 1

Format	Color
Hex	61254B
RGB	97, 37, 75
RGB Percent	38%, 15%, 29%
CMY	0.6183, 0.8536, 0.7047
CMYK	0.00, 0.62, 0.23, 0.62
HSL	322°, 45%, 26%
HSV	322°, 62%, 38%
XYZ	6.9183, 4.4155, 7.2002
YIQ	59.2720, 23.5620, 24.5380

Conversions

Conversions Part 2

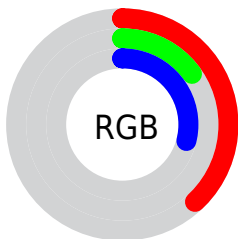
Format	Color
RYB	97, 37, 75
Decimal	6366539
CIELab	25.00, 32.04, -10.19
CIELCh	25, 33.621, 342.362
Yxy	4.4155, 0.3733, 0.2382
Android (android.graphics.Color)	4284556619 (0xFF61254B)
YUV	59.2720, 7.7539, 33.0875
Hunter-Lab	21.0130, 21.9962, -5.6068




Details

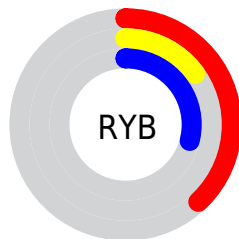
The CIELCh color **25, 33.621, 342.362** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **37, 33.157, 151.152**, and the grayscale version is **25, 0.004, 296.813**.




A 20% lighter version of the original color is **45, 34.025, 342.340**, and **7, 28.197, 344.607** is the 20% darker color. If you saturate the color by 10%, you get **23, 37.722, 343.609**, and if you desaturate by 10%, it is **27, 28.795, 341.280**.

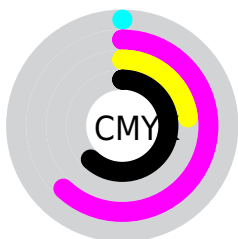
Distribution







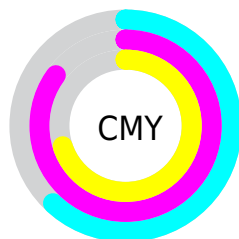
-  Red (38%)
-  Green (15%)
-  Blue (29%)






-  Red (38%)
-  Yellow (15%)
-  Blue (29%)



-  Cyan (0%)
-  Magenta (62%)
-  Yellow (23%)
-  Black (62%)





-  Cyan (62%)
-  Magenta (85%)
-  Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 33.621, 342.362 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, 33.621, 342.362 by changing the saturation by 10% instead.

 25, 33.621,
342.362


 25, 33.621,
342.362

 100, 33.621,
342.362


 15, 33.621,
342.362


 45, 33.621,
342.362


 5, 33.621, 342.362

 55, 33.621,
342.362

 0, 33.621, 342.362

 65, 33.621,
342.362

 75, 33.621,
342.362

 85, 33.621,
342.362

 95, 33.621,

342.362

■ 25, 33.621,
342.362

■ 25, 33.621,
342.362

■ 23, 37.722,
343.609

■ 27, 28.795,
341.280

■ 22, 40.861,
345.081

■ 30, 23.493,
340.318

■ 20, 42.879,
346.847

■ 32, 17.919,
339.447

■ 20, 44.365,
348.349

■ 35, 12.231,
338.646

■ 38, 6.541, 337.894

■ 41, 0.925, 337.010

■ 44, 4.573, 156.646

■ 47, 9.925, 156.019

■ 50, 15.122,
155.447

Harmonies

Complementary

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



25, 33.621, 342.362



37, 33.157, 151.152

Rectangle

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



25, 33.621, 342.362



25, 33.621, 32.362



25, 33.621, 162.362



25, 33.621, 212.362

Sweetspot

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



25, 33.619, 342.363



47, 12.671, 338.409



21, 40.746, 308.129



22, 8.738, 338.567



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



25, 33.619, 342.363



30, 47.611, 344.256



24, 29.335, 17.134



18, 3.128, 337.688



23, 48.881, 348.817



53, 84.464, 350.618

Inverse Universe

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



25, 33.619, 342.363



30, 47.611, 344.256



37, 21.514, 183.332



18, 3.128, 337.688



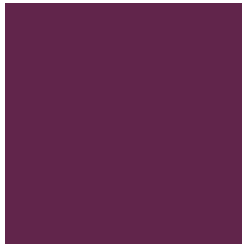
23, 48.881, 348.817



53, 84.464, 350.618

Previews

White Background



This preview shows how the CIELCh color 25, 33.621, 342.362 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, 33.621, 342.362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

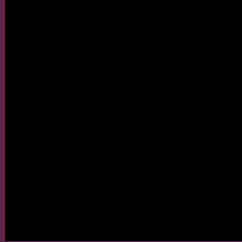
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 33.621, 342.362

Background



This preview shows how black text looks on a background with the CIELCh color 25, 33.621, 342.362.



This preview shows how white text looks on a background with the CIELCh color 25, 33.621, 342.362.

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, 33.621, 342.362

Protanopia

25, 21.808, 285.377

Deuteranopia

25, 8.578, 294.730



Tritanopia
25, 25.150, 20.847

Trichromacy



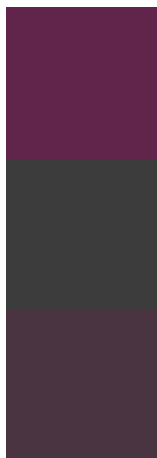
Original Color
25, 33.621, 342.362

Protanomaly
24, 24.026, 309.538

Deuteranomaly
25, 17.503, 327.174

Tritanomaly
25, 26.381, 4.841

Monochromacy



Original Color
25, 33.621, 342.362

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 13.438, 339.035

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 33.621, 342.362 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(97, 37, 75)` looks like.

```
.text, #text, p{  
    color:rgb(97, 37, 75)  
}
```

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(97, 37, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 37, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 33.621, 342.362 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(97, 37, 75) }
```

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

```
.border{ border-color:rgb(97, 37, 75) }
```

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

Here you see how a box with a 4 pixel rgb(97, 37, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 37, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 37, 75);  
box-shadow:4px 4px 4px 4px rgb(97, 37, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 33.621, 342.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 37, 75) }
```

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

```
.background{ background-color: rgb(97, 37,  
75) }
```

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