

Converting Colors

CIELCh(25, 36.767, 327.093)

Have a look what the booklet for
CIELCh(25, 36.767, 327.093)
contains.

CIELCh(25, 36.767, 327.093)	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, 36.767, 327.093)

Conversions

Conversions Part 1

Format	Color
Hex	5A285A
RGB	90, 40, 90
RGB Percent	35%, 16%, 35%
CMY	0.6475, 0.8435, 0.6475
CMYK	0.00, 0.56, 0.00, 0.65
HSL	300°, 39%, 25%
HSV	300°, 56%, 35%
XYZ	6.8024, 4.4155, 10.1433
YIQ	60.6500, 13.7500, 26.1500

Conversions

Conversions Part 2

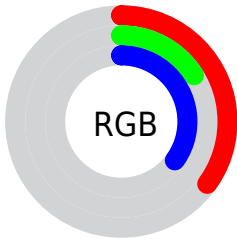
Format	Color
RYB	90, 40, 90
Decimal	5908570
CIELab	25.00, 30.87, -19.97
CIELCh	25, 36.767, 327.093
Yxy	4.4155, 0.3184, 0.2067
Android (android.graphics.Color)	4284098650 (0xFF5A285A)
YUV	60.6500, 14.4695, 25.7400
Hunter-Lab	21.0130, 21.0115, -13.9110

Details

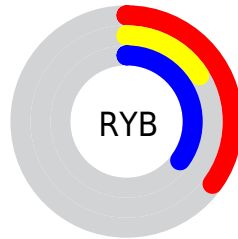
The CIELCh color **25, 36.767, 327.093** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **34, 36.986, 140.208**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 36.598, 327.477**, and **6, 33.136, 326.494** is the 20% darker color. If you saturate the color by 10%, you get **23, 42.183, 327.461**, and if you desaturate by 10%, it is **27, 30.701, 326.672**.

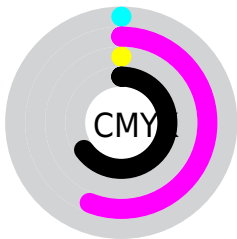
Distribution



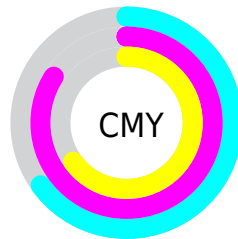
- Red (35%)
- Green (16%)
- Blue (35%)



- Red (35%)
- Yellow (16%)
- Blue (35%)



- Cyan (0%)
- Magenta (56%)
- Yellow (0%)
- Black (65%)





- Cyan (65%)
- Magenta (84%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 36.767, 327.093 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, 36.767, 327.093 by changing the saturation by 10% instead.

 25, 36.767,
327.093


 25, 36.767,
327.093

 100, 36.767,
327.093


 15, 36.767,
327.093


 45, 36.767,
327.093


 5, 36.767, 327.093

 55, 36.767,
327.093

 0, 36.767, 327.093

 65, 36.767,
327.093

 75, 36.767,
327.093

 85, 36.767,
327.093

 95, 36.767,

327.093

■ 25, 36.767,
327.093

■ 25, 36.767,
327.093

■ 23, 42.183,
327.461

■ 27, 30.701,
326.672

■ 22, 46.729,
327.762

■ 29, 24.206,
326.210

■ 21, 50.213,
327.989

■ 32, 17.466,
325.721

■ 20, 52.832,
328.156

■ 34, 10.629,
325.215

■ 20, 53.996,
328.230

■ 37, 3.803, 324.685

■ 39, 2.938, 144.272

■ 42, 9.545, 143.748

■ 45, 15.987,
143.269

■ 48, 22.250,
142.813

Harmonies

Complementary

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



25, 36.767, 327.093



34, 36.986, 140.208

Rectangle

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



25, 36.767, 327.093



25, 36.767, 17.093



25, 36.767, 147.093



25, 36.767, 197.093

Sweetspot

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



25, 36.766, 327.093



44, 14.421, 325.314



19, 33.531, 297.159



21, 9.551, 325.370



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



25, 36.766, 327.093



31, 52.959, 327.576



24, 26.977, 348.194



17, 3.869, 324.863



25, 62.062, 328.230



56, 109.391, 328.230

Inverse Universe

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



23, 25.430, 25.406



28, 39.217, 28.561



34, 25.692, 157.349



17, 2.233, 19.824



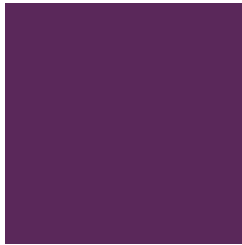
21, 53.759, 36.847



50, 98.984, 39.998

Previews

White Background



This preview shows how the CIELCh color 25, 36.767, 327.093 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, 36.767, 327.093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

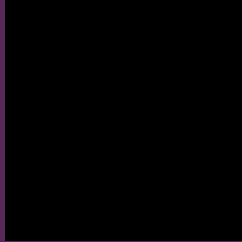
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 36.767, 327.093

Background



This preview shows how black text looks on a background with the CIELCh color 25, 36.767, 327.093.



This preview shows how white text looks on a background with the CIELCh color 25, 36.767, 327.093.

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, 36.767, 327.093

Protanopia

26, 31.052, 284.942

Deuteranopia

26, 17.315, 281.465



Tritanopia
25, 16.998, 16.502

Trichromacy



Original Color
25, 36.767, 327.093

Protanomaly
24, 31.768, 299.346

Deuteranomaly
25, 22.992, 306.055

Tritanomaly
25, 22.130, 348.798

Monochromacy



Original Color
25, 36.767, 327.093

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 14.969, 325.719

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 36.767, 327.093 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(90, 40, 90)` looks like.

```
.text, #text, p{  
    color:rgb(90, 40, 90)  
}
```

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(90, 40, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 40, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 36.767, 327.093 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(90, 40, 90) }
```

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

```
.border{ border-color:rgb(90, 40, 90) }
```

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

Here you see how a box with a 4 pixel rgb(90, 40, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 40, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 40, 90);  
box-shadow:4px 4px 4px 4px rgb(90, 40, 90)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 36.767, 327.093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 40, 90) }
```

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

```
.background{ background-color: rgb(90, 40,  
90) }
```

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