

Converting Colors

CIELCh(25, 53.242, 312.834)

Have a look what the booklet for
CIELCh(25, 53.242, 312.834)
contains.

CIELCh(25, 52.984, 312.808)	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, 52.984, 312.808)

Conversions

Conversions Part 1

Format	Color
Hex	502677
RGB	80, 38, 119
RGB Percent	31%, 15%, 47%
CMY	0.6865, 0.8512, 0.5336
CMYK	0.33, 0.68, 0.00, 0.53
HSL	271°, 52%, 31%
HSV	271°, 68%, 47%
XYZ	7.3200, 4.4155, 17.8992
YIQ	59.7920, -0.9690, 34.0950

Conversions

Conversions Part 2

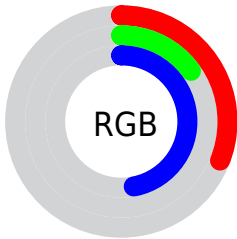
Format	Color
R_{YB}	80, 38, 119
Decimal	5252727
CIE _{Lab}	25.00, 36.00, -38.87
CIE _{LCh}	25, 52.984, 312.808
Y _{xy}	4.4155, 0.2470, 0.1490
Android (android.graphics.Color)	4283442807 (0xFF502677)
Y _{UV}	59.7920, 29.1895, 17.7224
Hunter-Lab	21.0130, 25.4083, -35.7949

Details

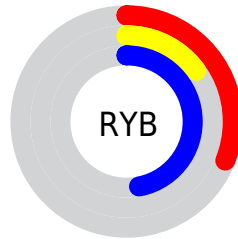
The CIELCh color **25, 52.984, 312.808** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **45, 48.273, 126.981**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 52.999, 312.649**, and **6, 48.874, 311.364** is the 20% darker color. If you saturate the color by 10%, you get **22, 59.718, 313.027**, and if you desaturate by 10%, it is **28, 45.488, 312.432**.

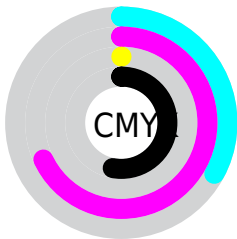
Distribution



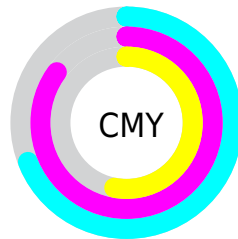
- Red (31%)
- Green (15%)
- Blue (47%)



- Red (31%)
- Yellow (15%)
- Blue (47%)



- Cyan (33%)
- Magenta (68%)
- Yellow (0%)
- Black (53%)





- Cyan (69%)
- Magenta (85%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 52.984, 312.808 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, 52.984, 312.808 by changing the saturation by 10% instead.

 25, 52.984,
312.808

 25, 52.984,
312.808

 100, 52.984,
312.808

 15, 52.984,
312.808


 45, 52.984,
312.808


 5, 52.984, 312.808

 55, 52.984,
312.808

 0, 52.984, 312.808

 65, 52.984,
312.808

 75, 52.984,
312.808

 85, 52.984,
312.808

 95, 52.984,

312.808

■ 25, 52.984,
312.808

■ 25, 52.984,
312.808

■ 22, 59.718,
313.027

■ 28, 45.488,
312.432

■ 20, 65.220,
312.997

■ 32, 37.605,
311.969

■ 18, 69.572,
312.775

■ 35, 29.591,
311.472

■ 17, 70.450,
312.762

■ 39, 21.608,
310.972

■ 43, 13.752,
310.491

■ 47, 6.075, 310.035

■ 51, 1.398, 129.698

■ 55, 8.655, 129.274

■ 58, 15.698,
128.936

Harmonies

Complementary

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



25, 52.984, 312.808



45, 48.273, 126.981

Rectangle

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



25, 52.984, 312.808



25, 52.984, 2.808



25, 52.984, 132.808



25, 52.984, 182.808

Sweetspot

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



25, 52.983, 312.808



55, 18.988, 310.605



32, 27.992, 271.495



27, 13.092, 310.714



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



25, 52.983, 312.808



28, 76.768, 313.045



31, 53.587, 328.138



23, 4.179, 310.076



18, 71.936, 312.728



41, 122.638, 312.115

Inverse Universe

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



29, 39.448, 352.895



35, 54.808, 356.760



44, 54.438, 139.038



23, 3.310, 345.335



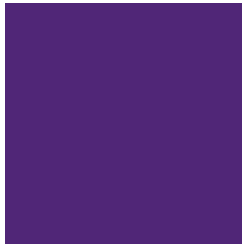
25, 49.224, 2.047



54, 83.195, 4.700

Previews

White Background



This preview shows how the CIE LCh color 25, 52.984, 312.808 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, 52.984, 312.808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

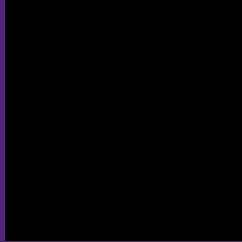
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 52.984, 312.808

Background



This preview shows how black text looks on a background with the CIELCh color 25, 52.984, 312.808.



This preview shows how white text looks on a background with the CIELCh color 25, 52.984, 312.808.

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, 52.984, 312.808

Protanopia

25, 42.980, 285.073

Deuteranopia

25, 31.666, 273.564



Tritanopia
25, 6.100, 355.166

Trichromacy



Original Color
25, 52.984, 312.808

Protanomaly
24, 46.766, 293.133

Deuteranomaly
24, 38.501, 288.948

Tritanomaly
25, 23.047, 317.845

Monochromacy



Original Color
25, 52.984, 312.808

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 20.176, 311.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 52.984, 312.808 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(80, 38, 119)` looks like.

```
.text, #text, p{  
    color:rgb(80, 38, 119)  
}
```

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(80, 38, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 38, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 52.984, 312.808 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(80, 38, 119) }
```

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

```
.border{ border-color:rgb(80, 38, 119) }
```

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

Here you see how a box with a 4 pixel rgb(80, 38, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 38, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 38, 119);  
box-shadow:4px 4px 4px 4px rgb(80, 38,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 52.984, 312.808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 38, 119) }
```

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

```
.background{ background-color: rgb(80, 38,  
119) }
```

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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