

Converting Colors

CIELCh(25, 63.044, 323.454)

Have a look what the booklet for
CIELCh(25, 63.044, 323.454)
contains.

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Color

CIELCh(25, 63.007, 323.486)

Conversions

Conversions Part 1

Format	Color
Hex	670B75
RGB	103, 11, 117
RGB Percent	40%, 4%, 46%
CMY	0.5958, 0.9564, 0.5409
CMYK	0.12, 0.90, 0.00, 0.54
HSL	292°, 83%, 25%
HSV	292°, 90%, 46%
XYZ	8.9370, 4.4155, 17.2310
YIQ	50.5920, 20.8060, 52.4700

Conversions

Conversions Part 2

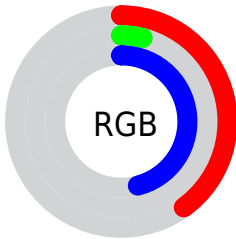
Format	Color
R_{YB}	103, 11, 117
Decimal	6753141
CIE _{Lab}	25.00, 50.64, -37.49
CIE _{LCh}	25, 63.007, 323.486
Yxy	4.4155, 0.2922, 0.1444
Android (android.graphics.Color)	4284943221 (0xFF670B75)
YUV	50.5920, 32.7391, 45.9618
Hunter-Lab	21.0130, 39.1445, -33.9097

Details

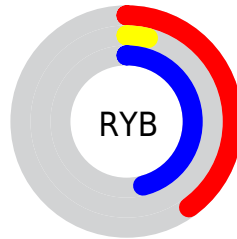
The CIELCh color $25, 63.007, 323.486$ is a dark color, and the websafe version is hex 660066 . A complement of this color would be $43, 63.539, 135.328$, and the grayscale version is $21, 0.004, 296.813$.

A 20% lighter version of the original color is $45, 63.294, 323.336$, and $10, 45.694, 319.906$ is the 20% darker color. If you saturate the color by 10%, you get $24, 65.641, 323.346$, and if you desaturate by 10%, it is $26, 59.387, 323.555$.

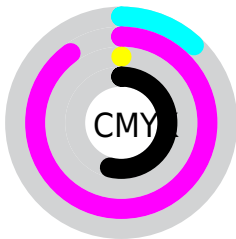
Distribution



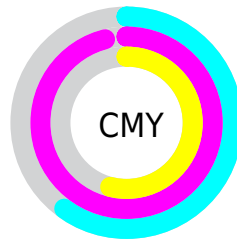
- Red (40%)
- Green (4%)
- Blue (46%)



- Red (40%)
- Yellow (4%)
- Blue (46%)



- Cyan (12%)
- Magenta (90%)
- Yellow (0%)
- Black (54%)




- Cyan (60%)
- Magenta (96%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 63.007, 323.486 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, 63.007, 323.486 by changing the saturation by 10% instead.

 25, 63.007,
323.486


 25, 63.007,
323.486

 100, 63.007,
323.486


 15, 63.007,
323.486


 45, 63.007,
323.486


 5, 63.007, 323.486

 55, 63.007,
323.486

 0, 63.007, 323.486

 65, 63.007,
323.486

 75, 63.007,
323.486

 85, 63.007,
323.486

 95, 63.007,

323.486

■ 25, 63.007,
323.486

■ 25, 63.007,
323.486

■ 24, 65.641,
323.346

■ 26, 59.387,
323.555

■ 28, 54.299,
323.471

■ 30, 48.002,
323.260

■ 33, 40.817,
322.952

■ 36, 33.049,
322.576

■ 39, 24.957,
322.155

■ 42, 16.734,
321.710

■ 46, 8.520, 321.251

■ 49, 0.407, 320.449

Harmonies

Complementary

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



25, 63.007, 323.486



43, 63.539, 135.328

Rectangle

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



25, 63.007, 323.486



25, 63.007, 13.486



25, 63.007, 143.486



25, 63.007, 193.486

Sweetspot

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



25, 63.006, 323.486



52, 27.503, 322.032



16, 62.083, 301.479



25, 18.426, 322.146



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



25, 63.006, 323.486



32, 79.708, 323.225



26, 48.956, 346.989



23, 4.570, 321.183



25, 67.774, 323.324



54, 114.994, 323.063

Inverse Universe

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



24, 49.162, 27.993



31, 65.839, 33.288



43, 52.007, 146.036



23, 2.789, 9.231



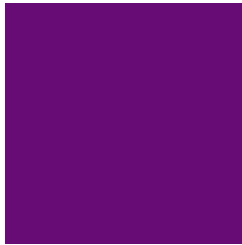
24, 55.328, 32.109



52, 96.716, 34.997

Previews

White Background



This preview shows how the CIELCh color 25, 63.007, 323.486 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, 63.007, 323.486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

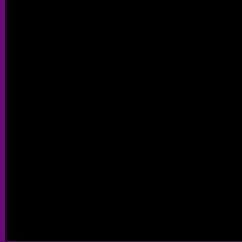
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 63.007, 323.486

Background



This preview shows how black text looks on a background with the CIELCh color 25, 63.007, 323.486.



This preview shows how white text looks on a background with the CIELCh color 25, 63.007, 323.486.

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, 63.007, 323.486

Protanopia

26, 43.449, 284.763

Deuteranopia

26, 31.848, 275.556



Tritanopia
26, 23.491, 19.954

Trichromacy



Original Color
25, 63.007, 323.486

Protanomaly
22, 53.567, 299.243

Deuteranomaly
22, 45.809, 299.766

Tritanomaly
24, 35.237, 343.244

Monochromacy



Original Color
25, 63.007, 323.486

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 29.169, 323.022

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 63.007, 323.486 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(103, 11, 117)` looks like.

```
.text, #text, p{  
    color:rgb(103, 11, 117)  
}
```

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(103, 11, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 11, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 63.007, 323.486 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(103, 11, 117) }
```

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

```
.border{ border-color:rgb(103, 11, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 11, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 11, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 11, 117); box-shadow:4px 4px 4px 4px rgb(103, 11, 117) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 63.007, 323.486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 11, 117) }
```

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

```
.background{ background-color: rgb(103, 11,  
117) }
```

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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