

Converting Colors

CIELCh(25, 29.983, 307.568)

Have a look what the booklet for
CIELCh(25, 29.983, 307.568)
contains.

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Color

CIELCh(25, 29.667, 307.651)

Conversions

Conversions Part 1

Format	Color
Hex	44335F
RGB	68, 51, 95
RGB Percent	27%, 20%, 37%
CMY	0.7335, 0.8002, 0.6277
CMYK	0.28, 0.46, 0.00, 0.63
HSL	263°, 30%, 29%
HSV	263°, 46%, 37%
XYZ	5.6248, 4.4155, 11.3690
YIQ	61.0990, -3.9920, 17.2880

Conversions

Conversions Part 2

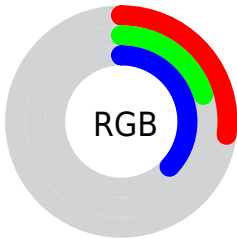
Format	Color
R_{YB}	68, 51, 95
Decimal	4469599
CIE _{Lab}	25.00, 18.12, -23.49
CIE _{LCh}	25, 29.667, 307.651
Yxy	4.4155, 0.2627, 0.2062
Android (android.graphics.Color)	4282659679 (0xFF44335F)
YUV	61.0990, 16.7132, 6.0522
Hunter-Lab	21.0130, 11.0080, -17.3696

Details

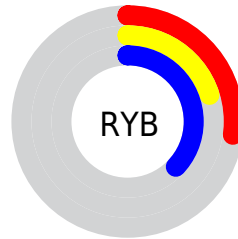
The CIELCh color **25, 29.667, 307.651** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **38, 27.384, 122.804**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 29.577, 307.190**, and **5, 29.367, 307.565** is the 20% darker color. If you saturate the color by 10%, you get **22, 36.383, 308.321**, and if you desaturate by 10%, it is **28, 22.988, 306.995**.

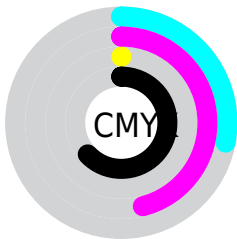
Distribution



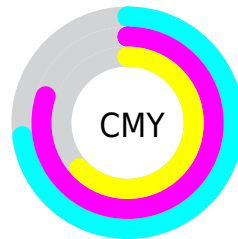
- Red (27%)
- Green (20%)
- Blue (37%)



- Red (27%)
- Yellow (20%)
- Blue (37%)



- Cyan (28%)
- Magenta (46%)
- Yellow (0%)
- Black (63%)





- Cyan (73%)
- Magenta (80%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 29.667, 307.651 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, 29.667, 307.651 by changing the saturation by 10% instead.

 25, 29.667,
307.651


 25, 29.667,
307.651

 100, 29.667,
307.651


 15, 29.667,
307.651


 45, 29.667,
307.651


 5, 29.667, 307.651

 55, 29.667,
307.651

 0, 29.667, 307.651

 65, 29.667,
307.651

 75, 29.667,
307.651

 85, 29.667,
307.651

 95, 29.667,

307.651

■ 25, 29.667,
307.651

■ 25, 29.667,
307.651

■ 22, 36.383,
308.321

■ 28, 22.988,
306.995

■ 19, 42.987,
308.963

■ 32, 16.434,
306.377

■ 16, 49.225,
309.509

■ 35, 10.044,
305.808

■ 14, 54.714,
309.861

■ 38, 3.839, 305.288

■ 11, 59.548,
310.113

■ 42, 2.177, 124.862

■ 45, 8.006, 124.440

■ 11, 61.533,
310.323

■ 48, 13.655,
124.080

■ 51, 19.130,
123.765

■ 55, 24.442,
123.491

Harmonies

Complementary

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



25, 29.667, 307.651



38, 27.384, 122.804

Rectangle

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



25, 29.667, 307.651



25, 29.667, 357.651



25, 29.667, 127.651



25, 29.667, 177.651

Sweetspot

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



25, 29.666, 307.651



46, 10.579, 305.705



32, 14.054, 248.503



22, 7.251, 305.783



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



25, 29.666, 307.651



29, 44.612, 308.409



28, 31.805, 323.230



18, 3.468, 305.417



14, 69.378, 310.104



35, 122.184, 309.456

Inverse Universe

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



28, 25.185, 341.718



33, 36.830, 342.923



36, 31.550, 138.475



18, 3.086, 338.569



23, 48.405, 350.319



52, 83.669, 352.267

Previews

White Background



This preview shows how the CIE LCh color 25, 29.667, 307.651 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, 29.667, 307.651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

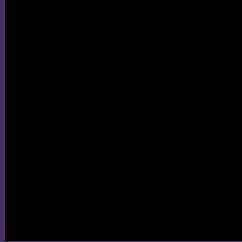
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 29.667, 307.651

Background



This preview shows how black text looks on a background with the CIELCh color 25, 29.667, 307.651.



This preview shows how white text looks on a background with the CIELCh color 25, 29.667, 307.651.

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, 29.667, 307.651

Protanopia

25, 29.100, 285.693

Deuteranopia

25, 22.173, 279.003



Tritanopia
25, 3.771, 319.091

Trichromacy



Original Color
25, 29.667, 307.651

Protanomaly
25, 28.986, 293.311

Deuteranomaly
25, 24.371, 290.192

Tritanomaly
25, 13.805, 308.518

Monochromacy



Original Color
25, 29.667, 307.651

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 11.002, 307.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 29.667, 307.651 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(68, 51, 95)` looks like.

```
.text, #text, p{  
    color:rgb(68, 51, 95)  
}
```

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(68, 51, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 51, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 29.667, 307.651 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(68, 51, 95) }
```

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

```
.border{ border-color:rgb(68, 51, 95) }
```

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

Here you see how a box with a 4 pixel rgb(68, 51, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 51, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 51, 95);  
box-shadow:4px 4px 4px 4px rgb(68, 51, 95)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 29.667, 307.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 51, 95) }
```

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

```
.background{ background-color: rgb(68, 51,  
95) }
```

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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