

Converting Colors

CIELCh(25, 68.008, 322.251)

Have a look what the booklet for
CIELCh(25, 68.008, 322.251)
contains.

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Color

CIELCh(25, 68.188, 322.220)

Conversions

Conversions Part 1

Format	Color
Hex	68027C
RGB	104, 2, 124
RGB Percent	41%, 1%, 49%
CMY	0.5930, 0.9936, 0.5145
CMYK	0.16, 0.99, 0.00, 0.51
HSL	290°, 97%, 25%
HSV	290°, 99%, 49%
XYZ	9.3262, 4.4155, 19.3601
YIQ	46.4060, 21.6300, 59.5660

Conversions

Conversions Part 2

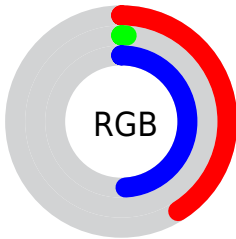
Format	Color
RYB	104, 2, 124
Decimal	6816380
CIELab	25.00, 53.89, -41.77
CIElCh	25, 68.188, 322.220
Yxy	4.4155, 0.2817, 0.1334
Android (android.graphics.Color)	4285006460 (0xFF68027C)
YUV	46.4060, 38.2538, 50.5099
Hunter-Lab	21.0130, 42.4511, -39.9170

Details

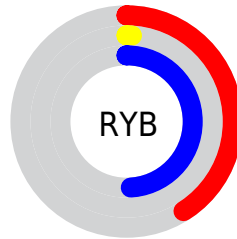
The CIELCh color **25, 68.188, 322.220** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **45, 68.541, 134.793**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 68.241, 322.371**, and **11, 48.718, 318.365** is the 20% darker color. If you saturate the color by 10%, you get **25, 68.575, 322.194**, and if you desaturate by 10%, it is **26, 65.294, 322.439**.

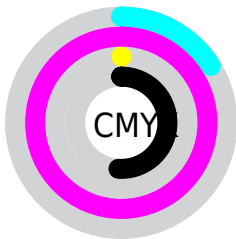
Distribution



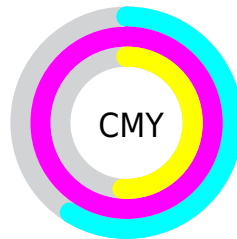
- Red (41%)
- Green (1%)
- Blue (49%)



- Red (41%)
- Yellow (1%)
- Blue (49%)



- Cyan (16%)
- Magenta (99%)
- Yellow (0%)
- Black (51%)





- Cyan (59%)
- Magenta (99%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 68.188, 322.220 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, 68.188, 322.220 by changing the saturation by 10% instead.

 25, 68.188,
322.220

 25, 68.188,
322.220

 100, 68.188,
322.220


 15, 68.188,
322.220

 45, 68.188,
322.220


 5, 68.188, 322.220

 55, 68.188,
322.220

 0, 68.188, 322.220

 65, 68.188,
322.220

 75, 68.188,
322.220

 85, 68.188,
322.220

 95, 68.188,

322.220

■ 25, 68.188,
322.220

■ 25, 68.188,
322.220

■ 25, 68.575,
322.194

■ 26, 65.294,
322.439

■ 28, 61.172,
322.527

■ 30, 55.544,
322.448

■ 32, 48.718,
322.236

■ 35, 41.046,
321.926

■ 38, 32.845,
321.548

■ 42, 24.370,
321.130

■ 45, 15.809,
320.690

■ 49, 7.293, 320.239

Harmonies

Complementary

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



25, 68.188, 322.220



45, 68.541, 134.793

Rectangle

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



25, 68.188, 322.220



25, 68.188, 12.220



25, 68.188, 142.220



25, 68.188, 192.220

Sweetspot

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



25, 68.187, 322.220



53, 31.565, 321.217



16, 68.096, 302.351



26, 21.703, 321.365



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



25, 68.187, 322.220



33, 82.932, 322.057



27, 53.129, 346.311



24, 4.693, 320.256



25, 69.038, 322.189



53, 116.342, 321.881

Inverse Universe

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



25, 54.105, 29.532



33, 66.988, 31.438



45, 59.050, 143.201



24, 2.915, 6.760



25, 55.108, 30.112



53, 95.481, 33.097

Previews

White Background



This preview shows how the CIELCh color 25, 68.188, 322.220 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, 68.188, 322.220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

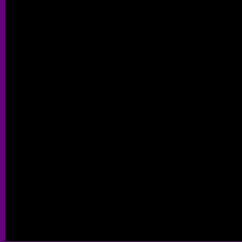
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 68.188, 322.220

Background



This preview shows how black text looks on a background with the CIELCh color 25, 68.188, 322.220.



This preview shows how white text looks on a background with the CIELCh color 25, 68.188, 322.220.

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, 68.188, 322.220

Protanopia

26, 44.049, 285.148

Deuteranopia

26, 32.764, 273.678



Tritanopia
26, 21.910, 19.142

Trichromacy



Original Color
25, 68.188, 322.220

Protanomaly
21, 57.409, 300.823

Deuteranomaly
21, 49.963, 299.225

Tritanomaly
24, 37.702, 339.642

Monochromacy



Original Color
25, 68.188, 322.220

Achromatopsia
19, 0.004, 296.813

Achromatomaly
18, 32.486, 322.297

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 68.188, 322.220 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(104, 2, 124)` looks like.

```
.text, #text, p{  
    color:rgb(104, 2, 124)  
}
```

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(104, 2, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 2, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 68.188, 322.220 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(104, 2, 124) }
```

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

```
.border{ border-color:rgb(104, 2, 124) }
```

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

Here you see how a box with a 4 pixel rgb(104, 2, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 2, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 2, 124);  
box-shadow:4px 4px 4px 4px rgb(104, 2,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 68.188, 322.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 2, 124) }
```

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

```
.background{ background-color: rgb(104, 2,  
124) }
```

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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