

Converting Colors

CIELCh(25, 65.420, 325.520)

Have a look what the booklet for
CIELCh(25, 65.420, 325.520)
contains.

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Color

CIELCh(25, 64.844, 325.645)

Conversions

Conversions Part 1

Format	Color
Hex	6C0074
RGB	108, 0, 116
RGB Percent	42%, 0%, 45%
CMY	0.5776, 1.0000, 0.5461
CMYK	0.07, 1.00, 0.00, 0.55
HSL	296°, 100%, 23%
HSV	296°, 100%, 45%
XYZ	9.2825, 4.4155, 16.8056
YIQ	45.5160, 27.1320, 58.9720

Conversions

Conversions Part 2

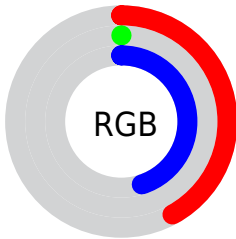
Format	Color
RYB	108, 0, 116
Decimal	7078004
CIELab	25.00, 53.53, -36.59
CIELCh	25, 64.844, 325.645
Yxy	4.4155, 0.3043, 0.1448
Android (android.graphics.Color)	4285268084 (0xFF6C0074)
YUV	45.5160, 34.7486, 54.7985
Hunter-Lab	21.0130, 42.0794, -32.7093

Details

The CIELCh color $[25, 64.844, 325.645]$ is a dark color, and the websafe version is hex `#660066`. A complement of this color would be $[42, 66.387, 135.516]$, and the grayscale version is $[18, 0.003, 296.813]$.

A 20% lighter version of the original color is $[45, 64.902, 325.595]$, and $[11, 44.768, 322.641]$ is the 20% darker color. If you saturate the color by 10%, you get $[25, 64.740, 325.636]$, and if you desaturate by 10%, it is $[26, 62.162, 325.663]$.

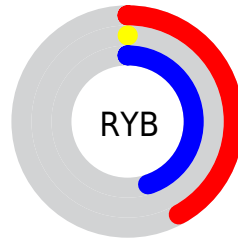
Distribution



Red (42%)

Green (0%)

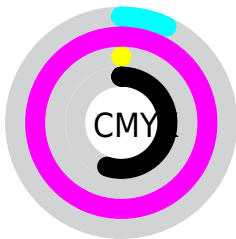
Blue (45%)



Red (42%)

Yellow (0%)

Blue (45%)

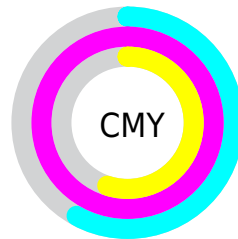


Cyan (7%)

Magenta (100%)

Yellow (0%)

Black (55%)



Cyan (58%)


Magenta (100%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 64.844, 325.645 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, 64.844, 325.645 by changing the saturation by 10% instead.

 25, 64.844,
325.645


 25, 64.844,
325.645

 100, 64.844,
325.645

 15, 64.844,
325.645


 45, 64.844,
325.645

 5, 64.844, 325.645

 55, 64.844,
325.645

 0, 64.844, 325.645

 65, 64.844,
325.645

 75, 64.844,
325.645

 85, 64.844,
325.645

 95, 64.844,

325.645

■ 25, 64.844,
325.645

■ 25, 64.844,
325.645

■ 25, 64.740,
325.636

■ 26, 62.162,
325.663

■ 27, 58.685,
325.622

■ 29, 53.757,
325.460

■ 31, 47.601,
325.196

■ 33, 40.515,
324.849

■ 36, 32.798,
324.441

■ 39, 24.710,
323.992

■ 42, 16.457,
323.518

■ 45, 8.188, 323.029

Harmonies

Complementary

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



25, 64.844, 325.645



42, 66.387, 135.516

Rectangle

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



25, 64.844, 325.645



25, 64.844, 15.645



25, 64.844, 145.645



25, 64.844, 195.645

Sweetspot

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



25, 64.740, 325.636



50, 30.631, 324.027



12, 70.207, 304.562



24, 21.040, 324.180



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, 64.740, 325.636



34, 78.270, 325.570



24, 48.773, 352.883



23, 4.657, 322.981



27, 67.388, 325.621



56, 114.282, 325.478

Inverse Universe

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



23, 54.556, 34.663



31, 67.508, 36.608



42, 52.715, 146.336



23, 2.759, 14.253



24, 57.149, 35.204



52, 100.220, 37.959

Previews

White Background



This preview shows how the CIELCh color 25, 64.844, 325.645 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, 64.844, 325.645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

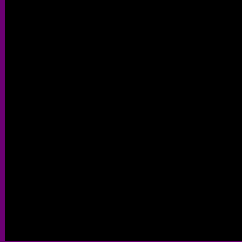
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 64.844, 325.645

Background



This preview shows how black text looks on a background with the CIELCh color 25, 64.844, 325.645.



This preview shows how white text looks on a background with the CIELCh color 25, 64.844, 325.645.

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, 64.844, 325.645

Protanopia

26, 43.983, 284.804

Deuteranopia

27, 30.201, 276.973



Tritanopia
26, 26.877, 20.167

Trichromacy



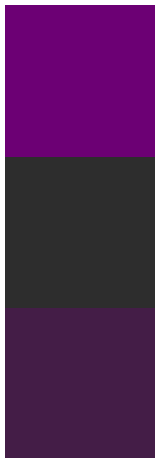
Original Color
25, 64.844, 325.645

Protanomaly
21, 56.185, 300.875

Deuteranomaly
22, 46.535, 304.317

Tritanomaly
24, 38.661, 345.988

Monochromacy



Original Color
25, 64.844, 325.645

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 31.668, 324.978

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 64.844, 325.645 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(108, 0, 116)` looks like.

```
.text, #text, p{  
    color:rgb(108, 0, 116)  
}
```

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(108, 0, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 0, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 64.844, 325.645 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(108, 0, 116) }
```

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

```
.border{ border-color:rgb(108, 0, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 0, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(108, 0,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 64.844, 325.645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 0, 116) }
```

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

```
.background{ background-color: rgb(108, 0,  
116) }
```

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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