

Converting Colors

CIELCh(25, 84.676, 301.601)

Have a look what the booklet for
CIELCh(25, 84.676, 301.601)
contains.

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Color

CIELCh(25, 84.645, 301.655)

Conversions

Conversions Part 1

Format	Color
Hex	0426AC
RGB	4, 38, 172
RGB Percent	2%, 15%, 67%
CMY	0.9838, 0.8501, 0.3244
CMYK	0.98, 0.78, 0.00, 0.32
HSL	228°, 95%, 35%
HSV	228°, 98%, 68%
XYZ	8.2237, 4.4155, 39.5841
YIQ	43.1100, -63.2780, 34.4660

Conversions

Conversions Part 2

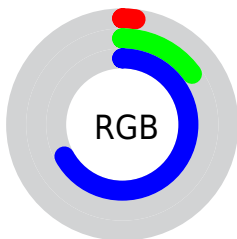
Format	Color
R _Y B	4, 32, 172
Decimal	272044
CIE Lab	25.00, 44.42, -72.05
CIE LCh	25, 84.645, 301.655
Yxy	4.4155, 0.1575, 0.0846
Android (android.graphics.Color)	4278462124 (0xFF0426AC)
YUV	43.1100, 63.5428, -34.2995
Hunter-Lab	21.0130, 33.0851, -96.9806

Details

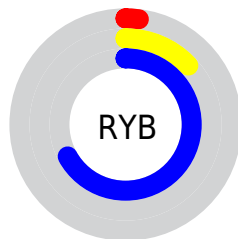
The CIELCh color **25, 84.645, 301.655** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **59, 63.122, 88.078**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 84.503, 301.621**, and **11, 75.718, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **24, 86.585, 302.216**, and if you desaturate by 10%, it is **28, 75.890, 298.910**.

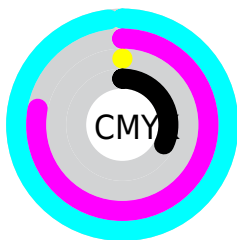
Distribution



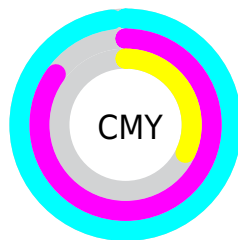
- Red (2%)
- Green (15%)
- Blue (67%)



- Red (2%)
- Yellow (13%)
- Blue (67%)



- Cyan (98%)
- Magenta (78%)
- Yellow (0%)
- Black (32%)





- Cyan (98%)
- Magenta (85%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 84.645, 301.655 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, 84.645, 301.655 by changing the saturation by 10% instead.

 25, 84.645,
301.655


 25, 84.645,
301.655

 100, 84.645,
301.655


 15, 84.645,
301.655


 45, 84.645,
301.655


 5, 84.645, 301.655

 55, 84.645,
301.655

 0, 84.645, 301.655

 65, 84.645,
301.655

 75, 84.645,
301.655

 85, 84.645,
301.655

 95, 84.645,

301.655

■ 25, 84.645,
301.655

■ 25, 84.645,
301.655

■ 24, 86.585,
302.216

■ 28, 75.890,
298.910

■ 32, 66.496,
295.941

■ 37, 57.035,
293.025

■ 42, 47.783,
290.323

■ 47, 38.830,
287.915

■ 52, 30.183,
285.816

■ 57, 21.818,
284.010

■ 62, 13.712,
282.464

■ 67, 5.841, 281.149

Harmonies

Complementary

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



25, 84.645, 301.655



59, 63.122, 88.078

Rectangle

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



25, 84.645, 301.655



25, 84.645, 351.655



25, 84.645, 121.655



25, 84.645, 171.655

Sweetspot

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



25, 84.646, 301.656



71, 28.508, 284.335



63, 46.796, 169.728



35, 19.660, 285.069



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



25, 84.646, 301.656



33, 107.101, 302.677



23, 95.719, 308.125



34, 4.385, 281.357



21, 77.619, 301.921



1, 9.542, 282.411

Inverse Universe

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



36, 67.769, 27.792



47, 84.784, 30.002



65, 75.118, 118.800



34, 3.951, 3.836



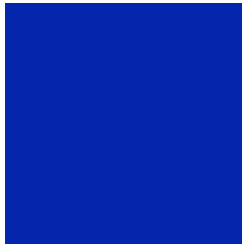
31, 62.074, 28.281



2, 8.048, 5.928

Previews

White Background



This preview shows how the CIELCh color 25, 84.645, 301.655 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, 84.645, 301.655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

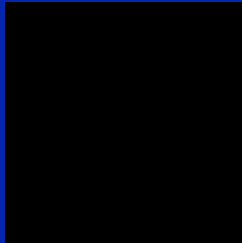
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 84.645, 301.655

Background



This preview shows how black text looks on a background with the CIELCh color 25, 84.645, 301.655.



This preview shows how white text looks on a background with the CIELCh color 25, 84.645, 301.655.

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, 84.630, 301.682

Protanopia

25, 42.376, 284.676

Deuteranopia

25, 28.912, 269.037



Tritanopia
25, 18.747, 202.649

Trichromacy



Original Color
25, 84.630, 301.682

Protanomaly
25, 58.090, 294.005

Deuteranomaly
24, 49.433, 290.222

Tritanomaly
24, 34.006, 278.360

Monochromacy



Original Color
25, 84.630, 301.682

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 33.599, 292.168

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 84.645, 301.655 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(4, 38, 172)` looks like.

```
.text, #text, p{  
    color:rgb(4, 38, 172)  
}
```

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(4, 38, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 38, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 84.645, 301.655 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(4, 38, 172) }
```

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

```
.border{ border-color:rgb(4, 38, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 38, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 38, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 38, 172);  
box-shadow:4px 4px 4px 4px rgb(4, 38, 172)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 84.645, 301.655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 38, 172) }
```

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

```
.background{ background-color: rgb(4, 38,  
172) }
```

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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