

Converting Colors

CIELCh(25, 100.734, 304.393)

Have a look what the booklet for
CIELCh(25, 100.734, 304.393)
contains.

CIELCh(25, 100.586, 304.379)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(25, 100.586, 304.379)

Conversions

Conversions Part 1

Format	Color
Hex	0019BF
RGB	0, 25, 191
RGB Percent	0%, 10%, 75%
CMY	1.0000, 0.9033, 0.2524
CMYK	1.00, 0.87, 0.00, 0.25
HSL	232°, 100%, 37%
HSV	232°, 100%, 75%
XYZ	9.6830, 4.4155, 49.4239
YIQ	36.4490, -68.1860, 46.3260

Conversions

Conversions Part 2

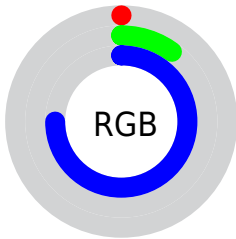
Format	Color
RYB	0, 22, 191
Decimal	6591
CIELab	25.00, 56.80, -83.02
CIELCh	25, 100.586, 304.379
Yxy	4.4155, 0.1524, 0.0695
Android (android.graphics.Color)	4278196671 (0xFF0019BF)
YUV	36.4490, 76.1936, -31.9658
Hunter-Lab	21.0130, 45.4814, -124.7444

Details

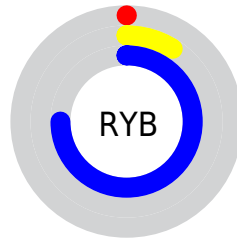
The CIELCh color **25, 100.586, 304.379** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **68, 71.252, 93.714**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 100.619, 304.346**, and **14, 83.870, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 100.554, 304.411**, and if you desaturate by 10%, it is **28, 92.225, 302.395**.

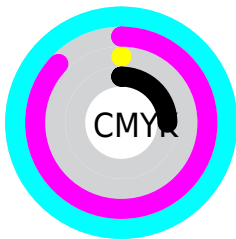
Distribution



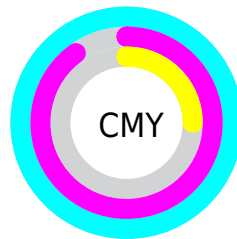
- Red (0%)
- Green (10%)
- Blue (75%)



- Red (0%)
- Yellow (9%)
- Blue (75%)



- Cyan (100%)
- Magenta (87%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (90%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 100.586, 304.379 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, 100.586, 304.379 by changing the saturation by 10% instead.


 25, 100.586,
304.379


 25, 100.586,
304.379


 100, 100.586,
304.379


 15, 100.586,
304.379


 45, 100.586,
304.379


 5, 100.586,
304.379


 55, 100.586,
304.379

 0, 100.586,
304.379

 65, 100.586,
304.379

 75, 100.586,
304.379

 85, 100.586,
304.379

 95, 100.586,

304.379

■ 25, 100.586,
304.379

■ 25, 100.586,
304.379

■ 25, 100.554,
304.411

■ 28, 92.225,
302.395

■ 32, 81.937,
299.869

■ 37, 70.838,
297.187

■ 42, 59.680,
294.591

■ 48, 48.801,
292.222

■ 54, 38.306,
290.135

■ 60, 28.206,
288.333

■ 66, 18.476,
286.790

■ 71, 9.086, 285.478

Harmonies

Complementary

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



25, 100.586, 304.379



68, 71.252, 93.714

Rectangle

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



25, 100.586, 304.379



25, 100.586, 354.379



25, 100.586, 124.379



25, 100.586, 174.379

Sweetspot

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



25, 100.554, 304.411



76, 34.880, 288.413



69, 45.996, 178.130



37, 24.178, 289.154



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



25, 100.554, 304.411



33, 123.533, 304.700



27, 103.106, 309.276



37, 5.101, 285.400



20, 86.715, 304.135



2, 15.823, 286.754

Inverse Universe

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



40, 78.335, 34.335



52, 96.108, 35.127



70, 83.906, 122.975



37, 4.148, 9.519



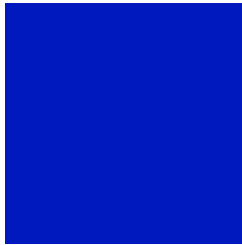
33, 67.667, 33.604



3, 12.376, 11.996

Previews

White Background



This preview shows how the CIE LCh color 25, 100.586, 304.379 looks on a white background.

Color Contrast Check

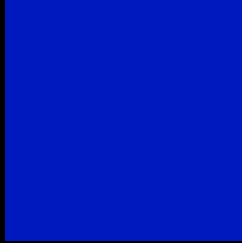
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.586, 304.379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

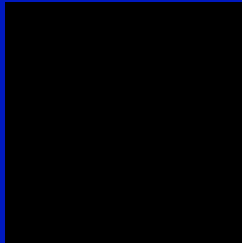
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 100.586, 304.379

Background



This preview shows how black text looks on a background with the CIELCh color 25, 100.586, 304.379.



This preview shows how white text looks on a background with the CIELCh color 25, 100.586, 304.379.

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, 100.586, 304.379

Protanopia

25, 42.376, 284.676

Deuteranopia

25, 29.452, 269.911



Tritanopia
25, 18.747, 202.649

Trichromacy



Original Color
25, 100.586, 304.379

Protanomaly
24, 65.718, 297.050

Deuteranomaly
23, 57.825, 294.488

Tritanomaly
23, 41.574, 286.068

Monochromacy



Original Color
25, 100.586, 304.379

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 41.712, 297.106

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 100.586, 304.379 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(0, 25, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 25, 191)  
}
```

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(0, 25, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 25, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 100.586, 304.379 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(0, 25, 191) }
```

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

```
.border{ border-color:rgb(0, 25, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 25, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 25, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 25, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 25, 191)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 100.586, 304.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 25, 191) }
```

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

```
.background{ background-color: rgb(0, 25,  
191) }
```

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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