

Converting Colors

CIELCh(24, 106.235, 307.210)

Have a look what the booklet for
CIELCh(24, 106.235, 307.210)
contains.

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Color

CIELCh(24, 106.228, 307.149)

Conversions

Conversions Part 1

Format	Color
Hex	2300BF
RGB	35, 0, 191
RGB Percent	14%, 0%, 75%
CMY	0.8614, 1.0000, 0.2523
CMYK	0.81, 1.00, 0.00, 0.25
HSL	251°, 100%, 37%
HSV	251°, 100%, 75%
XYZ	10.0664, 4.1002, 49.3575
YIQ	32.2390, -40.4510, 66.8210

Conversions

Conversions Part 2

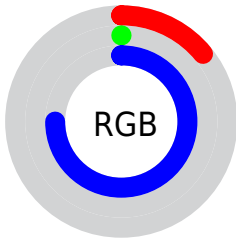
Format	Color
R_{YB}	35, 0, 191
Decimal	2293951
CIE _{Lab}	24.00, 64.15, -84.67
CIE _{LCh}	24, 106.228, 307.149
Yxy	4.1002, 0.1585, 0.0645
Android (android.graphics.Color)	4280484031 (0xFF2300BF)
YUV	32.2390, 78.2692, 2.4214
Hunter-Lab	20.2490, 53.3021, -130.3468

Details

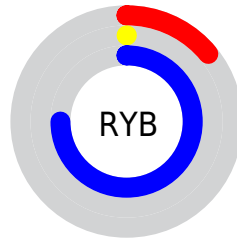
The CIELCh color **24, 106.228, 307.149** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **72, 79.659, 113.917**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 106.331, 307.159**, and **14, 83.870, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **24, 106.127, 307.125**, and if you desaturate by 10%, it is **26, 100.517, 306.798**.

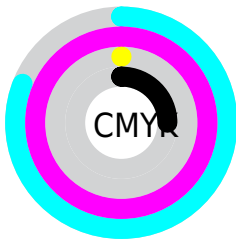
Distribution



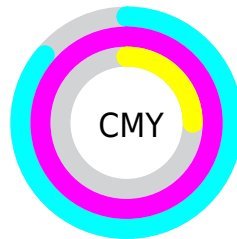
- Red (14%)
- Green (0%)
- Blue (75%)



- Red (14%)
- Yellow (0%)
- Blue (75%)



- Cyan (81%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)





- Cyan (86%)
- Magenta (100%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 106.228, 307.149 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 24, 106.228, 307.149 by changing the saturation by 10% instead.


 24, 106.228,
307.149


 24, 106.228,
307.149


 100, 106.228,
307.149


 14, 106.228,
307.149


 44, 106.228,
307.149


 4, 106.228,
307.149


 54, 106.228,
307.149

 0, 106.228,
307.149

 64, 106.228,
307.149

 74, 106.228,
307.149

 84, 106.228,
307.149

 94, 106.228,

307.149

■ 24, 106.228,
307.149

■ 24, 106.228,
307.149

■ 24, 106.127,
307.125

■ 26, 100.517,
306.798

■ 30, 91.904,
306.039

■ 35, 80.957,
304.898

■ 40, 68.941,
303.598

■ 46, 56.669,
302.294

■ 52, 44.559,
301.073

■ 59, 32.798,
299.972

■ 65, 21.449,
299.002

■ 71, 10.524,
298.157

Harmonies

Complementary

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



24, 106.228, 307.149



72, 79.659, 113.917

Rectangle

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



24, 106.228, 307.149



24, 106.228, 357.149



24, 106.228, 127.149



24, 106.228, 177.149

Sweetspot

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



24, 106.127, 307.125



74, 40.555, 300.022



59, 35.087, 232.011



37, 28.122, 300.479



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



24, 106.127, 307.125



33, 129.240, 307.027



35, 96.544, 316.821



37, 5.907, 298.106



19, 92.265, 307.216



1, 17.536, 295.791

Inverse Universe

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



43, 80.377, 337.301



56, 97.522, 337.476



68, 92.399, 132.865



37, 6.216, 330.562



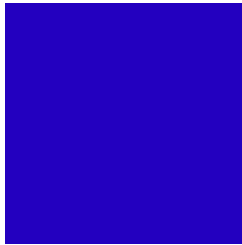
36, 70.110, 337.148



3, 17.880, 333.423

Previews

White Background



This preview shows how the CIE LCh color 24, 106.228, 307.149 looks on a white background.

Color Contrast Check

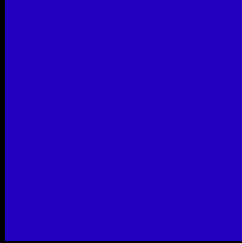
Large Text (above 18pt) WCAG AA ✓ Pass

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 24, 106.228, 307.149 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 24, 106.228, 307.149

Background



This preview shows how black text looks on a background with the CIELCh color 24, 106.228, 307.149.



This preview shows how white text looks on a background with the CIELCh color 24, 106.228, 307.149.

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


24, 106.293, 307.108

Protanopia

25, 41.773, 284.266

Deuteranopia

25, 28.377, 268.130



Tritanopia
25, 18.558, 202.729

Trichromacy



Original Color
24, 106.293, 307.108

Protanomaly
22, 70.960, 300.446

Deuteranomaly
21, 62.745, 298.621

Tritanomaly
20, 47.890, 293.818

Monochromacy



Original Color
24, 106.293, 307.108

Achromatopsia
12, 0.003, 296.813

Achromatomaly
13, 48.610, 305.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 106.228, 307.149 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(35, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(35, 0, 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(35, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 0, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 106.228, 307.149 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(35, 0, 191) }
```

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

```
.border{ border-color:rgb(35, 0, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 0, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(35, 0, 191)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 106.228, 307.149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 0, 191) }
```

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

```
.background{ background-color: rgb(35, 0,  
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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