

Converting Colors

CIELCh(24, 106.817, 306.849)

Have a look what the booklet for
CIELCh(24, 106.817, 306.849)
contains.

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Color

CIELCh(24, 106.796, 306.858)

Conversions

Conversions Part 1

Format	Color
Hex	1E01C0
RGB	30, 1, 192
RGB Percent	12%, 0%, 75%
CMY	0.8825, 0.9963, 0.2472
CMYK	0.84, 1.00, 0.00, 0.25
HSL	249°, 99%, 38%
HSV	249°, 100%, 75%
XYZ	10.0549, 4.1002, 50.1122
YIQ	31.4450, -44.0270, 65.5490

Conversions

Conversions Part 2

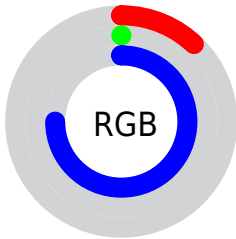
Format	Color
RYB	30, 1, 192
Decimal	1966528
CIELab	24.00, 64.06, -85.45
CIELCh	24, 106.796, 306.858
Yxy	4.1002, 0.1565, 0.0638
Android (android.graphics.Color)	4280156608 (0xFF1E01C0)
YUV	31.4450, 79.1536, -1.2673
Hunter-Lab	20.2490, 53.2007, -132.5568

Details

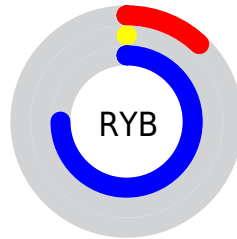
The CIELCh color **24, 106.796, 306.858** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **73, 79.399, 112.000**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 106.922, 306.929**, and **14, 84.316, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **24, 107.056, 306.885**, and if you desaturate by 10%, it is **26, 101.100, 306.413**.

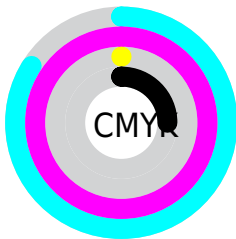
Distribution



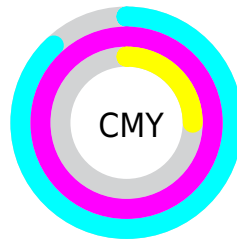
- Red (12%)
- Green (0%)
- Blue (75%)



- Red (12%)
- Yellow (0%)
- Blue (75%)



- Cyan (84%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)





- Cyan (88%)
- Magenta (100%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 106.796, 306.858 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, 106.796, 306.858 by changing the saturation by 10% instead.


 24, 106.796,
306.858


 24, 106.796,
306.858


 100, 106.796,
306.858


 14, 106.796,
306.858


 44, 106.796,
306.858


 4, 106.796,
306.858


 54, 106.796,
306.858

 0, 106.796,
306.858

 64, 106.796,
306.858

 74, 106.796,
306.858

 84, 106.796,
306.858

 94, 106.796,

306.858

■ 24, 106.796,
306.858

■ 24, 106.796,
306.858

■ 24, 107.056,
306.885

■ 26, 101.100,
306.413

■ 30, 92.205,
305.489

■ 35, 80.989,
304.184

■ 41, 68.768,
302.736

■ 47, 56.358,
301.306

■ 53, 44.162,
299.982

■ 59, 32.348,
298.800

■ 65, 20.969,
297.764

■ 72, 10.026,
296.868

Harmonies

Complementary

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



24, 106.796, 306.858



73, 79.399, 112.000

Rectangle

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



24, 106.796, 306.858



24, 106.796, 356.858



24, 106.796, 126.858



24, 106.796, 176.858

Sweetspot

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



24, 106.798, 306.859



75, 40.820, 298.908



62, 35.179, 224.613



36, 28.077, 299.399



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, 106.798, 306.859



32, 130.699, 306.802



34, 97.500, 315.835



38, 6.022, 296.857



19, 93.718, 306.959



1, 19.562, 295.235

Inverse Universe

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



44, 82.819, 335.351



57, 100.852, 335.523



69, 91.953, 132.153



38, 6.507, 329.433



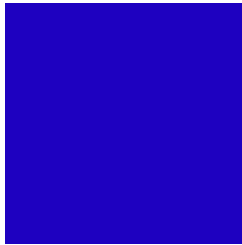
37, 72.738, 335.278



4, 20.983, 332.199

Previews

White Background



This preview shows how the CIELCh color 24, 106.796, 306.858 looks on a white background.

Color Contrast Check

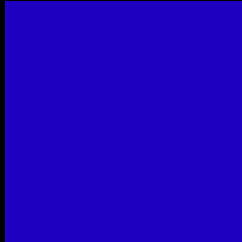
Large Text (above 18pt) WCAG AA ✓ Pass

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, 106.796, 306.858 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, 106.796, 306.858

Background



This preview shows how black text looks on a background with the CIELCh color 24, 106.796, 306.858.



This preview shows how white text looks on a background with the CIELCh color 24, 106.796, 306.858.

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, 106.796, 306.858

Protanopia

25, 41.838, 284.630

Deuteranopia

25, 28.899, 269.519



Tritanopia
25, 18.558, 202.729

Trichromacy



Original Color
24, 106.796, 306.858

Protanomaly
22, 70.994, 300.351

Deuteranomaly
21, 63.362, 298.615

Tritanomaly
20, 48.541, 293.829

Monochromacy



Original Color
24, 106.796, 306.858

Achromatopsia
12, 0.003, 296.813

Achromatomaly
13, 48.707, 304.654

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 106.796, 306.858 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(30, 1, 192)` looks like.

```
.text, #text, p{  
    color:rgb(30, 1, 192)  
}
```

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(30, 1, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 1, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 106.796, 306.858 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(30, 1, 192) }
```

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

```
.border{ border-color:rgb(30, 1, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 1, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 1, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 1, 192);  
box-shadow:4px 4px 4px 4px rgb(30, 1, 192)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 106.796, 306.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 1, 192) }
```

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

```
.background{ background-color: rgb(30, 1,  
192) }
```

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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