

Converting Colors

CIELCh(24, 100.684, 306.339)

Have a look what the booklet for
CIELCh(24, 100.684, 306.339)
contains.

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Color

CIELCh(24, 100.735, 306.340)

Conversions

Conversions Part 1

Format	Color
Hex	210DB9
RGB	33, 13, 185
RGB Percent	13%, 5%, 73%
CMY	0.8688, 0.9505, 0.2756
CMYK	0.82, 0.93, 0.00, 0.28
HSL	247°, 87%, 39%
HSV	247°, 93%, 72%
XYZ	9.5081, 4.1002, 46.0353
YIQ	38.5880, -43.2920, 57.7320

Conversions

Conversions Part 2

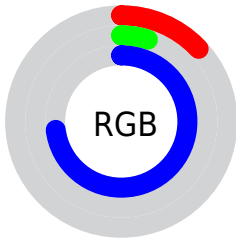
Format	Color
R_{YB}	33, 13, 185
Decimal	2166201
CIE _{Lab}	24.00, 59.69, -81.14
CIE _{LCh}	24, 100.735, 306.340
Yxy	4.1002, 0.1594, 0.0687
Android (android.graphics.Color)	4280356281 (0xFF210DB9)
YUV	38.5880, 72.1811, -4.9007
Hunter-Lab	20.2490, 48.3805, -120.6193

Details

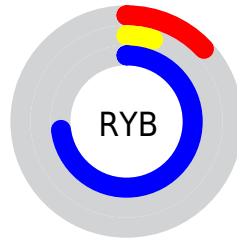
The CIELCh color **24, 100.735, 306.340** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **71, 75.346, 109.962**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 100.986, 306.335**, and **13, 81.175, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **23, 104.302, 306.719**, and if you desaturate by 10%, it is **27, 93.181, 305.481**.

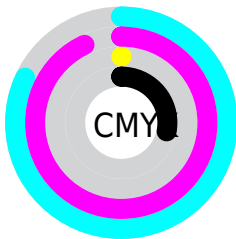
Distribution



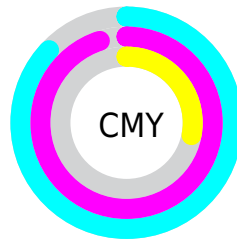
- Red (13%)
- Green (5%)
- Blue (73%)



- Red (13%)
- Yellow (5%)
- Blue (73%)



- Cyan (82%)
- Magenta (93%)
- Yellow (0%)
- Black (28%)





- Cyan (87%)
- Magenta (95%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 100.735, 306.340 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, 100.735, 306.340 by changing the saturation by 10% instead.


 24, 100.735,
306.340


 24, 100.735,
306.340


 100, 100.735,
306.340


 14, 100.735,
306.340


 44, 100.735,
306.340


 4, 100.735,
306.340


 54, 100.735,
306.340

 0, 100.735,
306.340

 64, 100.735,
306.340

 74, 100.735,
306.340

 84, 100.735,
306.340

 94, 100.735,

306.340

■ 24, 100.735,
306.340

■ 24, 100.735,
306.340

■ 23, 104.302,
306.719

■ 27, 93.181,
305.481

■ 32, 82.819,
304.138

■ 37, 71.096,
302.576

■ 43, 58.999,
300.999

■ 49, 47.041,
299.524

■ 55, 35.438,
298.200

■ 61, 24.261,
297.041

■ 67, 13.518,
296.038

■ 73, 3.193, 295.180

Harmonies

Complementary

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



24, 100.735, 306.340



71, 75.346, 109.962

Rectangle

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



24, 100.735, 306.340



24, 100.735, 356.340



24, 100.735, 126.340



24, 100.735, 176.340

Sweetspot

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



24, 100.737, 306.341



73, 36.626, 297.635



62, 34.396, 216.227



36, 25.489, 298.149



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



24, 100.737, 306.341



31, 126.951, 306.647



33, 93.045, 315.280



36, 5.747, 295.692



18, 91.773, 306.782



1, 15.426, 293.797

Inverse Universe

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



43, 81.639, 333.323



55, 100.147, 333.822



67, 86.317, 130.816



36, 6.358, 328.432



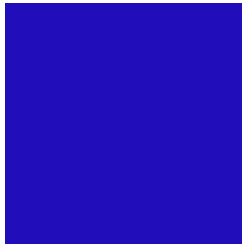
36, 72.752, 333.638



3, 16.634, 329.931

Previews

White Background



This preview shows how the CIE LCh color 24, 100.735, 306.340 looks on a white background.

Color Contrast Check

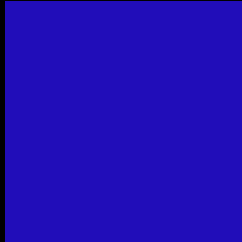
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.735, 306.340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

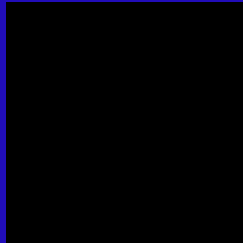
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 100.735, 306.340

Background



This preview shows how black text looks on a background with the CIELCh color 24, 100.735, 306.340.



This preview shows how white text looks on a background with the CIELCh color 24, 100.735,

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, 100.791, 306.295

Protanopia

24, 41.297, 284.583

Deuteranopia

24, 28.344, 269.109



Tritanopia
24, 18.368, 202.811

Trichromacy



Original Color
24, 100.791, 306.295

Protanomaly
22, 66.736, 299.104

Deuteranomaly
22, 58.206, 296.589

Tritanomaly
21, 43.138, 290.415

Monochromacy



Original Color
24, 100.791, 306.295

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 42.948, 302.462

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 100.735, 306.340 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(33, 13, 185)` looks like.

```
.text, #text, p{  
    color:rgb(33, 13, 185)  
}
```

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(33, 13, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 13, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 100.735, 306.340 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(33, 13, 185) }
```

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

```
.border{ border-color:rgb(33, 13, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 13, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 13, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 13, 185);  
box-shadow:4px 4px 4px 4px rgb(33, 13,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 100.735, 306.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 13, 185) }
```

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

```
.background{ background-color: rgb(33, 13,  
185) }
```

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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