

Converting Colors

CIELCh(24, 69.853, 298.138)

Have a look what the booklet for
CIELCh(24, 69.853, 298.138)
contains.

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Color

CIELCh(24, 69.953, 298.348)

Conversions

Conversions Part 1

Format	Color
Hex	012C98
RGB	1, 44, 152
RGB Percent	0%, 17%, 60%
CMY	0.9962, 0.8266, 0.4028
CMYK	0.99, 0.71, 0.00, 0.40
HSL	223°, 99%, 30%
HSV	223°, 99%, 60%
XYZ	6.6112, 4.1002, 30.2690
YIQ	43.4550, -60.2960, 24.4720

Conversions

Conversions Part 2

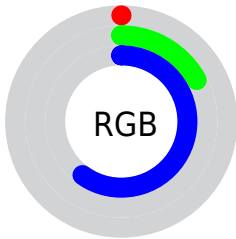
Format	Color
R _Y B	1, 34, 152
Decimal	76952
CIE Lab	24.00, 33.22, -61.56
CIE LCh	24, 69.953, 298.348
Yxy	4.1002, 0.1613, 0.1001
Android (android.graphics.Color)	4278267032 (0xFF012C98)
YUV	43.4550, 53.5127, -37.2330
Hunter-Lab	20.2490, 22.8441, -74.4550

Details

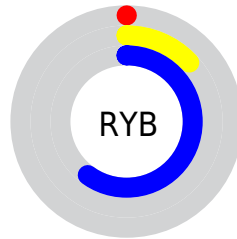
The CIELCh color **24, 69.953, 298.348** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **49, 56.396, 80.616**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 69.451, 298.298**, and **9, 66.143, 305.794** is the 20% darker color. If you saturate the color by 10%, you get **24, 70.427, 298.529**, and if you desaturate by 10%, it is **27, 62.383, 295.184**.

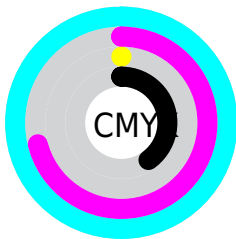
Distribution



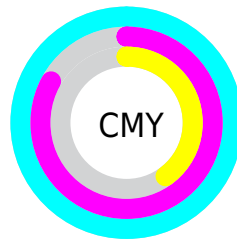
- Red (0%)
- Green (17%)
- Blue (60%)



- Red (0%)
- Yellow (13%)
- Blue (60%)



- Cyan (99%)
- Magenta (71%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (83%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 69.953, 298.348 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, 69.953, 298.348 by changing the saturation by 10% instead.

■ 24, 69.953,
298.348

■ 24, 69.953,
298.348

■ 100, 69.953,
298.348

■ 14, 69.953,
298.348

■ 44, 69.953,
298.348

■ 4, 69.953, 298.348

■ 54, 69.953,
298.348

■ 0, 69.953, 298.348

■ 64, 69.953,
298.348

■ 74, 69.953,
298.348

■ 84, 69.953,
298.348

■ 94, 69.953,

298.348

■ 24, 69.953,
298.348

■ 24, 69.953,
298.348

■ 24, 70.427,
298.529

■ 27, 62.383,
295.184

■ 31, 54.717,
291.857

■ 34, 47.171,
288.672

■ 38, 39.833,
285.760

■ 42, 32.708,
283.178

■ 46, 25.778,
280.932

■ 51, 19.018,
278.997

■ 55, 12.410,
277.338

■ 59, 5.943, 275.924

Harmonies

Complementary

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



24, 69.953, 298.348



49, 56.396, 80.616

Rectangle

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



24, 69.953, 298.348



24, 69.953, 348.348



24, 69.953, 118.348



24, 69.953, 168.348

Sweetspot

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



24, 69.954, 298.349



65, 24.187, 279.222



56, 47.650, 162.333



32, 16.528, 279.946



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



24, 69.954, 298.349



32, 87.587, 299.204



18, 89.211, 307.320



30, 3.600, 275.906



22, 65.831, 298.280



1, 3.880, 275.084

Inverse Universe

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



32, 59.544, 21.132



42, 73.374, 22.697



59, 67.479, 114.511



30, 3.687, 357.740



29, 56.160, 20.977



1, 3.903, 357.283

Previews

White Background



This preview shows how the CIE LCh color 24, 69.953, 298.348 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, 69.953, 298.348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

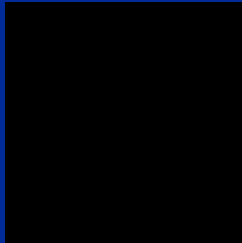
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 69.953, 298.348

Background



This preview shows how black text looks on a background with the CIELCh color 24, 69.953, 298.348.



This preview shows how white text looks on a background with the CIELCh color 24, 69.953, 298.348.

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, 69.941, 298.390

Protanopia

24, 40.691, 284.159

Deuteranopia

24, 28.344, 269.109



Tritanopia
24, 18.078, 205.125

Trichromacy



Original Color
24, 69.941, 298.390

Protanomaly
24, 51.376, 291.166

Deuteranomaly
24, 43.264, 286.494

Tritanomaly
23, 29.431, 272.320

Monochromacy



Original Color
24, 69.941, 298.390

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 26.889, 286.143

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 69.953, 298.348 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(1, 44, 152)` looks like.

```
.text, #text, p{  
    color:rgb(1, 44, 152)  
}
```

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(1, 44, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 44, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 69.953, 298.348 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(1, 44, 152) }
```

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

```
.border{ border-color:rgb(1, 44, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 44, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 44, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 44, 152);  
box-shadow:4px 4px 4px 4px rgb(1, 44, 152)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 69.953, 298.348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 44, 152) }
```

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

```
.background{ background-color: rgb(1, 44,  
152) }
```

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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