

Converting Colors

CIELCh(24, 66.587, 297.351)

Have a look what the booklet for
CIELCh(24, 66.587, 297.351)
contains.

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Color

CIELCh(24, 66.287, 297.231)

Conversions

Conversions Part 1

Format	Color
Hex	012E94
RGB	1, 46, 148
RGB Percent	0%, 18%, 58%
CMY	0.9958, 0.8196, 0.4196
CMYK	0.99, 0.69, 0.00, 0.42
HSL	222°, 99%, 29%
HSV	222°, 99%, 58%
XYZ	6.3370, 4.1002, 28.4801
YIQ	44.1730, -59.5620, 22.1820

Conversions

Conversions Part 2

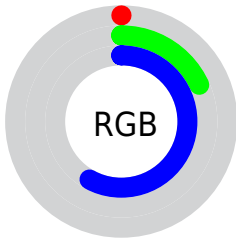
Format	Color
R _Y B	1, 35, 148
Decimal	77460
CIE Lab	24.00, 30.33, -58.94
CIE LCh	24, 66.287, 297.231
Yxy	4.1002, 0.1628, 0.1054
Android (android.graphics.Color)	4278267540 (0xFF012E94)
YUV	44.1730, 51.1867, -37.8627
Hunter-Lab	20.2490, 20.4263, -69.2168

Details

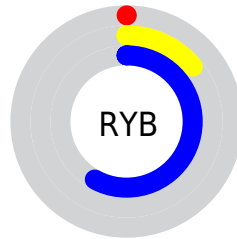
The CIELCh color **24, 66.287, 297.231** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **47, 54.993, 78.864**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 65.953, 297.064**, and **8, 62.966, 305.218** is the 20% darker color. If you saturate the color by 10%, you get **24, 66.808, 297.445**, and if you desaturate by 10%, it is **27, 59.045, 293.959**.

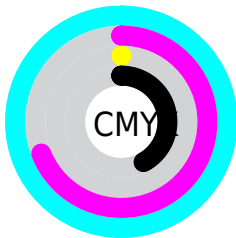
Distribution



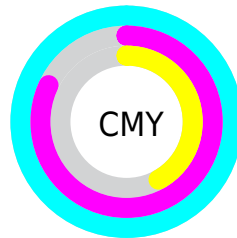
- Red (0%)
- Green (18%)
- Blue (58%)



- Red (0%)
- Yellow (14%)
- Blue (58%)



- Cyan (99%)
- Magenta (69%)
- Yellow (0%)
- Black (42%)





- Cyan (100%)
- Magenta (82%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 66.287, 297.231 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, 66.287, 297.231 by changing the saturation by 10% instead.

 24, 66.287,
297.231


 24, 66.287,
297.231

 100, 66.287,
297.231


 14, 66.287,
297.231


 44, 66.287,
297.231


 4, 66.287, 297.231

 54, 66.287,
297.231

 0, 66.287, 297.231

 64, 66.287,
297.231

 74, 66.287,
297.231

 84, 66.287,
297.231

 94, 66.287,

297.231

■ 24, 66.287,
297.231

■ 24, 66.287,
297.231

■ 24, 66.808,
297.445

■ 27, 59.045,
293.959

■ 30, 51.793,
290.552

■ 34, 44.683,
287.316

■ 38, 37.770,
284.369

■ 42, 31.046,
281.762

■ 46, 24.489,
279.497

■ 50, 18.076,
277.547

■ 54, 11.791,
275.875

■ 58, 5.625, 274.450

Harmonies

Complementary

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



24, 66.287, 297.231



47, 54.993, 78.864

Rectangle

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



24, 66.287, 297.231



24, 66.287, 347.231



24, 66.287, 117.231



24, 66.287, 167.231

Sweetspot

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



24, 66.288, 297.233



63, 22.857, 277.788



54, 47.569, 161.116



31, 15.776, 278.514



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



24, 66.288, 297.233



31, 82.402, 298.146



18, 87.477, 307.182



29, 3.423, 274.441



22, 62.955, 297.211



1, 2.973, 273.264

Inverse Universe

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



31, 57.729, 19.151



40, 70.488, 20.735



57, 65.813, 113.576



29, 3.620, 356.342



28, 54.906, 19.083



1, 3.111, 355.554

Previews

White Background



This preview shows how the CIE LCh color 24, 66.287, 297.231 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, 66.287, 297.231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

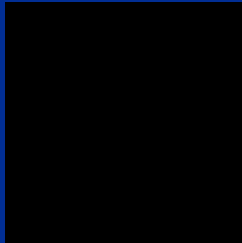
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 66.287, 297.231

Background



This preview shows how black text looks on a background with the CIELCh color 24, 66.287, 297.231.



This preview shows how white text looks on a background with the CIELCh color 24, 66.287, 297.231.

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, 66.287, 297.231

Protanopia

24, 41.297, 284.583

Deuteranopia

24, 28.344, 269.109



Tritanopia
24, 18.078, 205.125

Trichromacy



Original Color
24, 66.287, 297.231

Protanomaly
24, 50.767, 290.908

Deuteranomaly
24, 41.363, 284.953

Tritanomaly
23, 28.313, 270.602

Monochromacy



Original Color
24, 66.287, 297.231

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 25.549, 284.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 66.287, 297.231 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, 46, 148)` looks like.

```
.text, #text, p{  
    color:rgb(1, 46, 148)  
}
```

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, 46, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 46, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 66.287, 297.231 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, 46, 148) }
```

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

```
.border{ border-color:rgb(1, 46, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 46, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 46, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 46, 148);  
box-shadow:4px 4px 4px 4px rgb(1, 46, 148)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 66.287, 297.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 46, 148) }
```

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

```
.background{ background-color: rgb(1, 46,  
148) }
```

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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