

Converting Colors

CIELCh(24, 63.440, 301.380)

Have a look what the booklet for
CIELCh(24, 63.440, 301.380)
contains.

CIELCh(24, 63.482, 301.516)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(24, 63.482, 301.516)

Conversions

Conversions Part 1

Format	Color
Hex	2B2A8C
RGB	43, 42, 140
RGB Percent	17%, 16%, 55%
CMY	0.8298, 0.8343, 0.4497
CMYK	0.69, 0.70, 0.00, 0.45
HSL	241°, 54%, 36%
HSV	241°, 70%, 55%
XYZ	6.6082, 4.1002, 25.3787
YIQ	53.4710, -30.8620, 30.6900

Conversions

Conversions Part 2

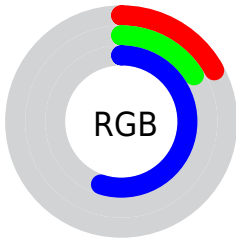
Format	Color
R_{YB}	43, 42, 140
Decimal	2828940
CIE _{Lab}	24.00, 33.18, -54.12
CIE _{LCh}	24, 63.482, 301.516
Yxy	4.1002, 0.1831, 0.1136
Android (android.graphics.Color)	4281019020 (0xFF2B2A8C)
YUV	53.4710, 42.6588, -9.1831
Hunter-Lab	20.2490, 22.8177, -60.1360

Details

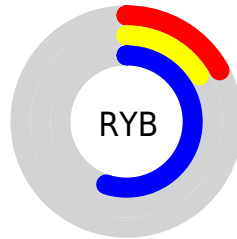
The CIELCh color **24, 63.482, 301.516** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **57, 51.317, 104.668**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 63.830, 301.541**, and **7, 61.687, 306.053** is the 20% darker color. If you saturate the color by 10%, you get **20, 72.661, 303.513**, and if you desaturate by 10%, it is **28, 53.690, 299.429**.

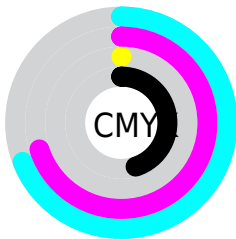
Distribution



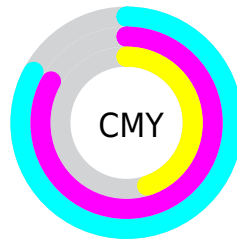
- Red (17%)
- Green (16%)
- Blue (55%)



- Red (17%)
- Yellow (16%)
- Blue (55%)



- Cyan (69%)
- Magenta (70%)
- Yellow (0%)
- Black (45%)





- Cyan (83%)
- Magenta (83%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 63.482, 301.516 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, 63.482, 301.516 by changing the saturation by 10% instead.

 24, 63.482,
301.516


 24, 63.482,
301.516

 100, 63.482,
301.516


 14, 63.482,
301.516


 44, 63.482,
301.516


 4, 63.482, 301.516

 54, 63.482,
301.516

 0, 63.482, 301.516

 64, 63.482,
301.516

 74, 63.482,
301.516

 84, 63.482,
301.516

 94, 63.482,

301.516

■ 24, 63.482,
301.516

■ 24, 63.482,
301.516

■ 20, 72.661,
303.513

■ 28, 53.690,
299.429

■ 17, 80.122,
305.122

■ 33, 43.904,
297.444

■ 15, 85.659,
306.320

■ 38, 34.392,
295.657

■ 15, 85.729,
306.335

■ 43, 25.239,
294.096

■ 48, 16.454,
292.755

■ 53, 8.020, 291.611

■ 58, 0.088, 110.103

■ 63, 7.893, 109.789

■ 68, 15.418,
109.078

Harmonies

Complementary

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



24, 63.482, 301.516



57, 51.317, 104.668

Rectangle

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



24, 63.482, 301.516



24, 63.482, 351.516



24, 63.482, 121.516



24, 63.482, 171.516

Sweetspot

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



24, 63.482, 301.517



61, 21.713, 292.953



53, 28.491, 196.713



30, 14.715, 293.263



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



24, 63.482, 301.517



26, 94.322, 304.539



29, 62.055, 312.376



27, 4.643, 291.539



14, 83.420, 306.337



0, 3.086, 290.639

Inverse Universe

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



36, 62.396, 328.075



45, 85.293, 328.480



53, 55.990, 126.312



28, 5.564, 325.221



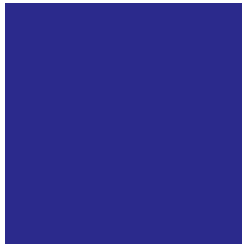
32, 71.463, 328.690



1, 3.738, 324.751

Previews

White Background



This preview shows how the CIE LCh color 24, 63.482, 301.516 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 CIE LCh color 24, 63.482, 301.516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

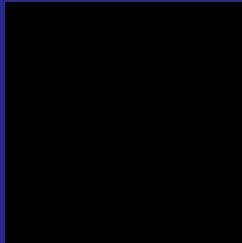
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 63.482, 301.516

Background



This preview shows how black text looks on a background with the CIELCh color 24, 63.482, 301.516.



This preview shows how white text looks on a background with the CIELCh color 24, 63.482, 301.516.

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, 63.482, 301.516

Protanopia

24, 41.363, 284.953

Deuteranopia

24, 28.879, 270.492



Tritanopia
24, 18.078, 205.125

Trichromacy



Original Color
24, 63.482, 301.516

Protanomaly
23, 49.547, 292.410

Deuteranomaly
23, 41.266, 287.616

Tritanomaly
23, 26.598, 272.918

Monochromacy



Original Color
24, 63.482, 301.516

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 23.457, 295.140

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 63.482, 301.516 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(43, 42, 140)` looks like.

```
.text, #text, p{  
    color:rgb(43, 42, 140)  
}
```

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(43, 42, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 42, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 63.482, 301.516 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(43, 42, 140) }
```

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

```
.border{ border-color:rgb(43, 42, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 42, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 42, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 42, 140);  
box-shadow:4px 4px 4px 4px rgb(43, 42,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 63.482, 301.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 42, 140) }
```

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

```
.background{ background-color: rgb(43, 42,  
140) }
```

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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