

Converting Colors

CIELCh(24, 42.069, 313.091)

Have a look what the booklet for
CIELCh(24, 42.069, 313.091)
contains.

CIELCh(24, 42.496, 313.132)	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, 42.496, 313.132)

Conversions

Conversions Part 1

Format	Color
Hex	4B2968
RGB	75, 41, 104
RGB Percent	29%, 16%, 41%
CMY	0.7053, 0.8387, 0.5916
CMYK	0.28, 0.60, 0.00, 0.59
HSL	272°, 43%, 28%
HSV	272°, 60%, 41%
XYZ	6.2179, 4.1002, 13.6015
YIQ	58.3480, 0.0410, 26.8010

Conversions

Conversions Part 2

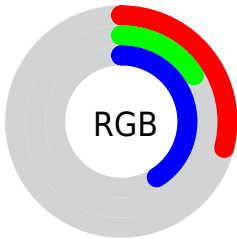
Format	Color
R_{YB}	75, 41, 104
Decimal	4925800
CIE _{Lab}	24.00, 29.05, -31.01
CIE _{LCh}	24, 42.496, 313.132
Yxy	4.1002, 0.2599, 0.1714
Android (android.graphics.Color)	4283115880 (0xFF4B2968)
YUV	58.3480, 22.5064, 14.6038
Hunter-Lab	20.2490, 19.3767, -25.6516

Details

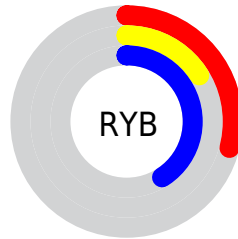
The CIELCh color **24, 42.496, 313.132** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **40, 39.386, 127.898**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 42.685, 313.083**, and **5, 39.558, 312.051** is the 20% darker color. If you saturate the color by 10%, you get **21, 49.087, 313.456**, and if you desaturate by 10%, it is **27, 35.494, 312.713**.

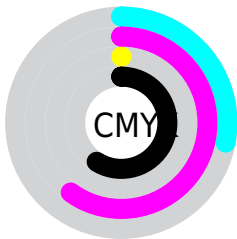
Distribution



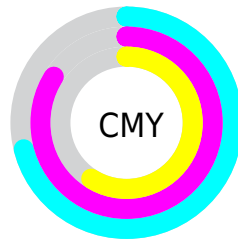
- Red (29%)
- Green (16%)
- Blue (41%)



- Red (29%)
- Yellow (16%)
- Blue (41%)



- Cyan (28%)
- Magenta (60%)
- Yellow (0%)
- Black (59%)





- Cyan (71%)
- Magenta (84%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 42.496, 313.132 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, 42.496, 313.132 by changing the saturation by 10% instead.

 24, 42.496,
313.132


 24, 42.496,
313.132

 100, 42.496,
313.132


 14, 42.496,
313.132


 44, 42.496,
313.132


 4, 42.496, 313.132

 54, 42.496,
313.132

 0, 42.496, 313.132

 64, 42.496,
313.132

 74, 42.496,
313.132

 84, 42.496,
313.132

 94, 42.496,

313.132

■ 24, 42.496,
313.132

■ 24, 42.496,
313.132

■ 21, 49.087,
313.456

■ 27, 35.494,
312.713

■ 19, 54.933,
313.614

■ 30, 28.326,
312.248

■ 17, 59.623,
313.521

■ 34, 21.149,
311.772

■ 15, 63.742,
313.440

■ 37, 14.059,
311.306

■ 40, 7.113, 310.861

■ 44, 0.339, 310.225

■ 47, 6.249, 130.107

■ 51, 12.648,
129.764

■ 54, 18.861,
129.461

Harmonies

Complementary

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



24, 42.496, 313.132



40, 39.386, 127.898

Rectangle

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



24, 42.496, 313.132



24, 42.496, 3.132



24, 42.496, 133.132



24, 42.496, 183.132

Sweetspot

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



24, 42.495, 313.132



49, 15.254, 311.215



29, 22.933, 270.537



24, 10.711, 311.317



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



24, 42.495, 313.132



27, 62.481, 313.553



28, 43.496, 328.340



19, 3.731, 310.792



17, 68.344, 313.316



40, 119.208, 312.648

Inverse Universe

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



27, 31.889, 352.728



32, 45.537, 355.697



39, 43.951, 140.402



19, 2.901, 346.515



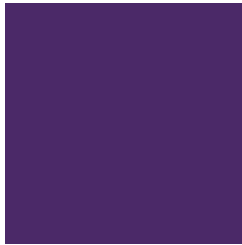
23, 46.900, 3.669



52, 81.206, 6.708

Previews

White Background



This preview shows how the CIE LCh color 24, 42.496, 313.132 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, 42.496, 313.132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

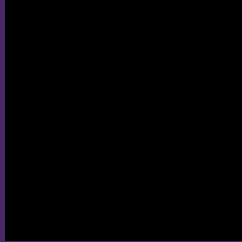
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 42.496, 313.132

Background



This preview shows how black text looks on a background with the CIELCh color 24, 42.496, 313.132.



This preview shows how white text looks on a background with the CIELCh color 24, 42.496, 313.132.

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, 42.496, 313.132

Protanopia

24, 41.297, 284.583

Deuteranopia

24, 29.276, 277.363



Tritanopia
24, 6.578, 357.109

Trichromacy



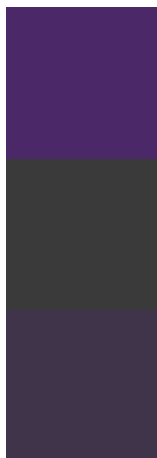
Original Color
24, 42.496, 313.132

Protanomaly
23, 41.198, 290.510

Deuteranomaly
23, 33.206, 291.292

Tritanomaly
24, 19.359, 320.424

Monochromacy



Original Color
24, 42.496, 313.132

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 16.136, 311.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 42.496, 313.132 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(75, 41, 104)` looks like.

```
.text, #text, p{  
    color:rgb(75, 41, 104)  
}
```

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(75, 41, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 41, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 42.496, 313.132 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(75, 41, 104) }
```

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

```
.border{ border-color:rgb(75, 41, 104) }
```

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

Here you see how a box with a 4 pixel rgb(75, 41, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 41, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 41, 104);  
box-shadow:4px 4px 4px 4px rgb(75, 41,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 42.496, 313.132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 41, 104) }
```

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

```
.background{ background-color: rgb(75, 41,  
104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor