

Converting Colors

CIELCh(24, 52.344, 313.060)

Have a look what the booklet for
CIELCh(24, 52.344, 313.060)
contains.

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Color

CIELCh(24, 51.965, 313.195)

Conversions

Conversions Part 1

Format	Color
Hex	4E2473
RGB	78, 36, 115
RGB Percent	31%, 14%, 45%
CMY	0.6947, 0.8594, 0.5496
CMYK	0.32, 0.69, 0.00, 0.55
HSL	272°, 52%, 30%
HSV	272°, 69%, 45%
XYZ	6.8409, 4.1002, 16.6030
YIQ	57.5640, -0.3270, 33.4730

Conversions

Conversions Part 2

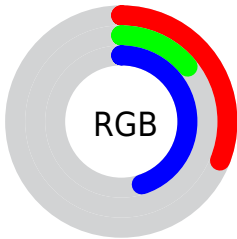
Format	Color
R_{YB}	78, 36, 115
Decimal	5121139
CIE _{Lab}	24.00, 35.57, -37.88
CIE _{LCh}	24, 51.965, 313.195
Yxy	4.1002, 0.2484, 0.1489
Android (android.graphics.Color)	4283311219 (0xFF4E2473)
YUV	57.5640, 28.3159, 17.9224
Hunter-Lab	20.2490, 24.8684, -34.4402

Details

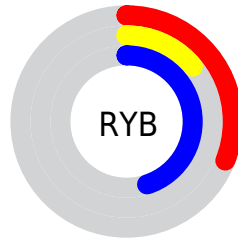
The CIELCh color $24, 51.965, 313.195$ is a dark color, and the websafe version is hex 663399 . A complement of this color would be $44, 47.500, 127.420$, and the grayscale version is $24, 0.004, 296.813$.

A 20% lighter version of the original color is $44, 52.050, 313.039$, and $6, 46.392, 311.414$ is the 20% darker color. If you saturate the color by 10%, you get $21, 58.420, 313.385$, and if you desaturate by 10%, it is $27, 44.740, 312.844$.

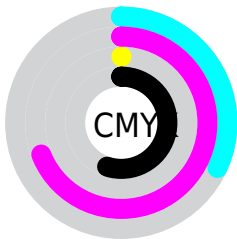
Distribution



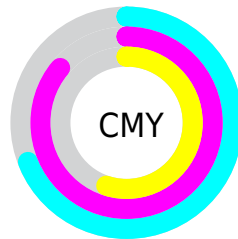
- Red (31%)
- Green (14%)
- Blue (45%)



- Red (31%)
- Yellow (14%)
- Blue (45%)



- Cyan (32%)
- Magenta (69%)
- Yellow (0%)
- Black (55%)





- Cyan (69%)
- Magenta (86%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 51.965, 313.195 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, 51.965, 313.195 by changing the saturation by 10% instead.

 24, 51.965,
313.195


 24, 51.965,
313.195

 100, 51.965,
313.195


 14, 51.965,
313.195


 44, 51.965,
313.195


 4, 51.965, 313.195

 54, 51.965,
313.195

 0, 51.965, 313.195

 64, 51.965,
313.195

 74, 51.965,
313.195

 84, 51.965,
313.195

 94, 51.965,

313.195

■ 24, 51.965,
313.195

■ 24, 51.965,
313.195

■ 21, 58.420,
313.385

■ 27, 44.740,
312.844

■ 19, 63.654,
313.325

■ 31, 37.110,
312.403

■ 17, 67.937,
313.122

■ 34, 29.330,
311.922

■ 17, 68.499,
313.116

■ 38, 21.564,
311.434

■ 41, 13.909,
310.961

■ 45, 6.420, 310.511

■ 49, 0.874, 130.214

■ 53, 7.963, 129.756

■ 56, 14.844,
129.418

Harmonies

Complementary

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



24, 51.965, 313.195



44, 47.500, 127.420

Rectangle

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



24, 51.965, 313.195



24, 51.965, 3.195



24, 51.965, 133.195



24, 51.965, 183.195

Sweetspot

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



24, 51.964, 313.195



52, 19.473, 311.091



31, 27.463, 271.638



26, 13.316, 311.192



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



24, 51.964, 313.195



27, 75.300, 313.381



30, 52.495, 328.152



23, 4.190, 310.524



18, 71.741, 313.040



41, 122.286, 312.428

Inverse Universe

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



28, 38.451, 353.891



34, 53.520, 358.029



42, 53.347, 138.991



23, 3.281, 346.071



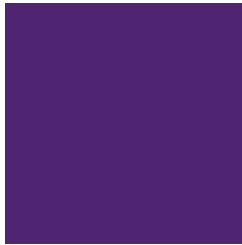
25, 49.139, 3.252



54, 83.146, 5.988

Previews

White Background



This preview shows how the CIE LCh color 24, 51.965, 313.195 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, 51.965, 313.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

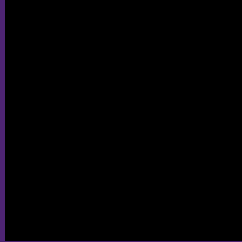
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 51.965, 313.195

Background



This preview shows how black text looks on a background with the CIELCh color 24, 51.965, 313.195.



This preview shows how white text looks on a background with the CIELCh color 24, 51.965, 313.195.

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, 51.965, 313.195

Protanopia

24, 41.297, 284.583

Deuteranopia

24, 30.551, 272.968



Tritanopia
24, 6.578, 357.109

Trichromacy



Original Color
24, 51.965, 313.195

Protanomaly
23, 45.097, 293.018

Deuteranomaly
23, 37.403, 288.938

Tritanomaly
23, 23.337, 318.871

Monochromacy



Original Color
24, 51.965, 313.195

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 20.435, 312.411

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 51.965, 313.195 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(78, 36, 115)` looks like.

```
.text, #text, p{  
    color:rgb(78, 36, 115)  
}
```

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(78, 36, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 36, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 51.965, 313.195 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(78, 36, 115) }
```

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

```
.border{ border-color:rgb(78, 36, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 36, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 36, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 36, 115);  
box-shadow:4px 4px 4px 4px rgb(78, 36,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 51.965, 313.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 36, 115) }
```

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

```
.background{ background-color: rgb(78, 36,  
115) }
```

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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