

Converting Colors

CIELCh(24, 18.719, 310.592)

Have a look what the booklet for
CIELCh(24, 18.719, 310.592)
contains.

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Color

CIELCh(24, 18.110, 310.535)

Conversions

Conversions Part 1

Format	Color
Hex	41344E
RGB	65, 52, 78
RGB Percent	25%, 20%, 31%
CMY	0.7460, 0.7969, 0.6950
CMYK	0.17, 0.33, 0.00, 0.70
HSL	270°, 20%, 25%
HSV	270°, 33%, 30%
XYZ	4.7510, 4.1002, 7.7063
YIQ	58.8510, -0.5980, 10.8420

Conversions

Conversions Part 2

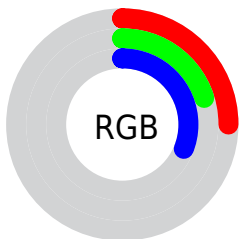
Format	Color
R_{YB}	65, 52, 78
Decimal	4273230
CIE _{Lab}	24.00, 11.77, -13.76
CIE _{LCh}	24, 18.110, 310.535
Yxy	4.1002, 0.2869, 0.2476
Android (android.graphics.Color)	4282463310 (0xFF41344E)
YUV	58.8510, 9.4405, 5.3927
Hunter-Lab	20.2490, 6.4453, -8.3902

Details

The CIELCh color **24, 18.110, 310.535** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **31, 17.360, 127.662**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 17.709, 310.062**, and **4, 18.389, 310.364** is the 20% darker color. If you saturate the color by 10%, you get **21, 23.745, 311.027**, and if you desaturate by 10%, it is **27, 12.547, 310.058**.

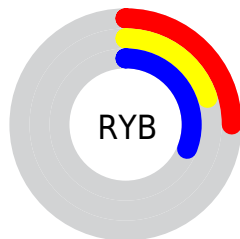
Distribution



Red (25%)

Green (20%)

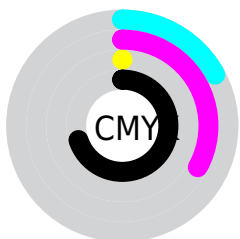
Blue (31%)



Red (25%)

Yellow (20%)

Blue (31%)

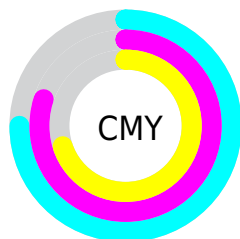


Cyan (17%)

Magenta (33%)

Yellow (0%)

Black (70%)



Cyan (75%)

Magenta (80%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 18.110, 310.535 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, 18.110, 310.535 by changing the saturation by 10% instead.

■ 24, 18.110,
310.535

■ 24, 18.110,
310.535

■ 100, 18.110,
310.535

■ 14, 18.110,
310.535

■ 44, 18.110,
310.535

■ 4, 18.110, 310.535

■ 54, 18.110,
310.535

■ 0, 18.110, 310.535

■ 64, 18.110,
310.535

■ 74, 18.110,
310.535

■ 84, 18.110,
310.535

■ 94, 18.110,

310.535

■ 24, 18.110,
310.535

■ 24, 18.110,
310.535

■ 21, 23.745,
311.027

■ 27, 12.547,
310.058

■ 19, 29.385,
311.513

■ 29, 7.099, 309.606

■ 16, 34.917,
311.963

■ 32, 1.785, 309.166

■ 35, 3.386, 128.838

■ 14, 40.164,
312.327

■ 38, 8.412, 128.486

■ 12, 44.877,
312.542

■ 40, 13.295,
128.177

■ 10, 49.104,
312.662

■ 43, 18.039,
127.904

■ 9, 52.296, 312.949

■ 46, 22.650,
127.662

■ 48, 27.133,
127.449

Harmonies

Complementary

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



24, 18.110, 310.535



31, 17.360, 127.662

Rectangle

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



24, 18.110, 310.535



24, 18.110, 0.535



24, 18.110, 130.535



24, 18.110, 180.535

Sweetspot

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



24, 18.109, 310.535



40, 6.600, 309.473



27, 9.556, 258.287



19, 4.450, 309.505



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



24, 18.109, 310.535



30, 27.340, 310.933



25, 20.083, 325.597



14, 2.896, 309.398



14, 63.306, 312.529



37, 115.404, 311.738

Inverse Universe

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



25, 14.430, 346.457



31, 21.626, 347.313



30, 20.069, 141.940



14, 2.332, 344.237



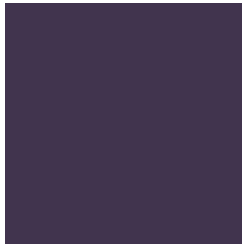
20, 43.482, 359.443



49, 78.179, 2.655

Previews

White Background



This preview shows how the CIE LCh color 24, 18.110, 310.535 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, 18.110, 310.535 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, 18.110, 310.535

Background



This preview shows how black text looks on a background with the CIELCh color 24, 18.110, 310.535.



This preview shows how white text looks on a background with the CIELCh color 24, 18.110, 310.535.

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, 18.110, 310.535

Protanopia

24, 16.694, 284.662

Deuteranopia

24, 13.974, 286.702



Tritanopia
24, 4.611, 334.345

Trichromacy



Original Color
24, 18.110, 310.535

Protanomaly
24, 17.307, 295.052

Deuteranomaly
24, 15.375, 297.809

Tritanomaly
24, 8.931, 317.972

Monochromacy



Original Color
24, 18.110, 310.535

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 7.008, 309.667

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 18.110, 310.535 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(65, 52, 78)` looks like.

```
.text, #text, p{  
    color:rgb(65, 52, 78)  
}
```

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(65, 52, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 52, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 18.110, 310.535 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(65, 52, 78) }
```

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

```
.border{ border-color:rgb(65, 52, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 52, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 52, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 52, 78);  
box-shadow:4px 4px 4px 4px rgb(65, 52, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 18.110, 310.535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 52, 78) }
```

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

```
.background{ background-color: rgb(65, 52,  
78) }
```

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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