

Converting Colors

CIELCh(24, 29.810, 324.278)

Have a look what the booklet for
CIELCh(24, 29.810, 324.278)
contains.

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Color

CIELCh(24, 29.810, 324.528)

Conversions

Conversions Part 1

Format	Color
Hex	502B53
RGB	80, 43, 83
RGB Percent	31%, 17%, 33%
CMY	0.6850, 0.8301, 0.6732
CMYK	0.04, 0.48, 0.00, 0.67
HSL	296°, 32%, 25%
HSV	296°, 48%, 33%
XYZ	5.7860, 4.1002, 8.7371
YIQ	58.6230, 9.2120, 20.2840

Conversions

Conversions Part 2

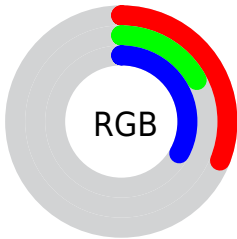
Format	Color
R_{YB}	80, 43, 83
Decimal	5253971
CIE _{Lab}	24.00, 24.28, -17.30
CIE _{LCh}	24, 29.810, 324.528
Yxy	4.1002, 0.3107, 0.2202
Android (android.graphics.Color)	4283444051 (0xFF502B53)
YUV	58.6230, 12.0179, 18.7476
Hunter-Lab	20.2490, 15.5698, -11.4083

Details

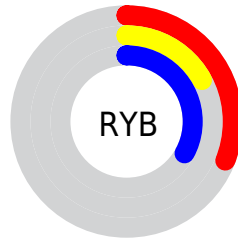
The CIELCh color **24, 29.810, 324.528** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **32, 29.702, 139.389**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 29.825, 324.105**, and **4, 28.021, 324.395** is the 20% darker color. If you saturate the color by 10%, you get **22, 35.441, 324.885**, and if you desaturate by 10%, it is **26, 23.799, 324.123**.

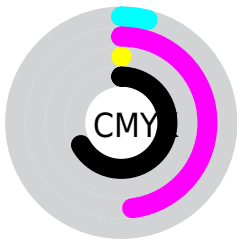
Distribution



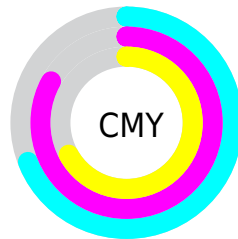
- Red (31%)
- Green (17%)
- Blue (33%)



- Red (31%)
- Yellow (17%)
- Blue (33%)



- Cyan (4%)
- Magenta (48%)
- Yellow (0%)
- Black (67%)





- Cyan (69%)
- Magenta (83%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 29.810, 324.528 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, 29.810, 324.528 by changing the saturation by 10% instead.

 24, 29.810,
324.528

 24, 29.810,
324.528

 100, 29.810,
324.528

 14, 29.810,
324.528

 44, 29.810,
324.528

 4, 29.810, 324.528

 54, 29.810,
324.528

 0, 29.810, 324.528

 64, 29.810,
324.528

 74, 29.810,
324.528

 84, 29.810,
324.528

 94, 29.810,

324.528

■ 24, 29.810,
324.528

■ 24, 29.810,
324.528

■ 22, 35.441,
324.885

■ 26, 23.799,
324.123

■ 20, 40.493,
325.173

■ 28, 17.580,
323.685

■ 19, 44.750,
325.373

■ 31, 11.280,
323.228

■ 18, 48.018,
325.468

■ 33, 4.994, 322.757

■ 17, 50.864,
325.526

■ 36, 1.214, 142.436

■ 39, 7.303, 141.906

■ 17, 51.455,
325.542

■ 41, 13.247,
141.474

■ 44, 19.034,
141.066

■ 46, 24.659,
140.682

Harmonies

Complementary

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



24, 29.810, 324.528



32, 29.702, 139.389

Rectangle

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



24, 29.810, 324.528



24, 29.810, 14.528



24, 29.810, 144.528



24, 29.810, 194.528

Sweetspot

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



24, 29.809, 324.528



41, 10.762, 323.063



21, 24.825, 293.016



19, 7.348, 323.122



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



24, 29.809, 324.528



29, 43.408, 324.945



24, 22.975, 343.399



15, 3.420, 322.790



22, 60.256, 325.462



52, 108.103, 325.273

Inverse Universe

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



23, 19.838, 18.419



27, 30.153, 20.791



32, 22.306, 155.181



15, 2.027, 13.741



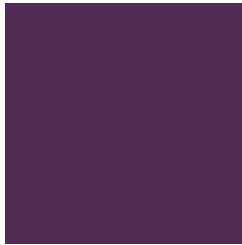
20, 49.977, 33.274



49, 94.329, 37.599

Previews

White Background



This preview shows how the CIE LCh color 24, 29.810, 324.528 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, 29.810, 324.528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

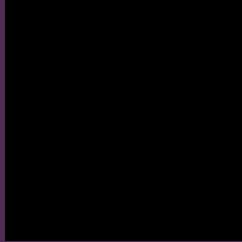
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 29.810, 324.528

Background



This preview shows how black text looks on a background with the CIELCh color 24, 29.810, 324.528.



This preview shows how white text looks on a background with the CIELCh color 24, 29.810, 324.528.

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, 29.810, 324.528

Protanopia

24, 25.327, 285.046

Deuteranopia

24, 16.005, 284.026



Tritanopia
24, 13.138, 10.772

Trichromacy



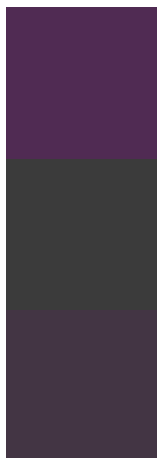
Original Color
24, 29.810, 324.528

Protanomaly
23, 26.051, 299.352

Deuteranomaly
24, 20.313, 304.114

Tritanomaly
24, 17.347, 343.288

Monochromacy



Original Color
24, 29.810, 324.528

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 11.700, 323.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 29.810, 324.528 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(80, 43, 83)` looks like.

```
.text, #text, p{  
    color:rgb(80, 43, 83)  
}
```

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(80, 43, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 43, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 29.810, 324.528 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(80, 43, 83) }
```

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

```
.border{ border-color:rgb(80, 43, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 43, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 43, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 43, 83);  
box-shadow:4px 4px 4px 4px rgb(80, 43, 83)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 29.810, 324.528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 43, 83) }
```

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

```
.background{ background-color: rgb(80, 43,  
83) }
```

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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