

Converting Colors

CIELCh(24, 27.118, 316.314)

Have a look what the booklet for
CIELCh(24, 27.118, 316.314)
contains.

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Color

CIELCh(24, 26.936, 316.148)

Conversions

Conversions Part 1

Format	Color
Hex	482F55
RGB	72, 47, 85
RGB Percent	28%, 18%, 33%
CMY	0.7166, 0.8147, 0.6656
CMYK	0.15, 0.45, 0.00, 0.67
HSL	279°, 29%, 26%
HSV	279°, 45%, 33%
XYZ	5.3683, 4.1002, 9.1576
YIQ	58.8070, 2.7020, 17.1180

Conversions

Conversions Part 2

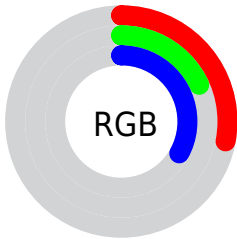
Format	Color
RYB	72, 47, 85
Decimal	4730709
CIELab	24.00, 19.42, -18.66
CIELCh	24, 26.936, 316.148
Yxy	4.1002, 0.2882, 0.2201
Android (android.graphics.Color)	4282920789 (0xFF482F55)
YUV	58.8070, 12.9131, 11.5703
Hunter-Lab	20.2490, 11.8869, -12.6395

Details

The CIELCh color $24, 26.936, 316.148$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $33, 25.983, 132.424$, and the grayscale version is $25, 0.004, 296.813$.

A 20% lighter version of the original color is $44, 26.655, 315.666$, and $4, 27.329, 316.599$ is the 20% darker color. If you saturate the color by 10%, you get $21, 32.923, 316.506$, and if you desaturate by 10%, it is $27, 20.824, 315.753$.

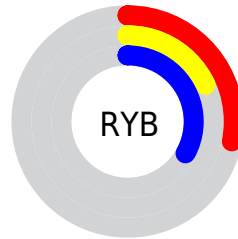
Distribution



Red (28%)

Green (18%)

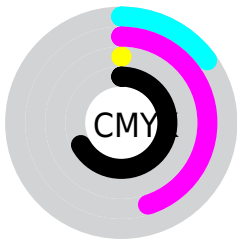
Blue (33%)



Red (28%)

Yellow (18%)

Blue (33%)

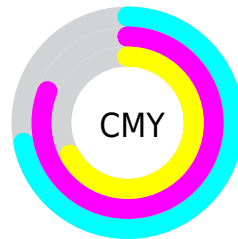


Cyan (15%)

Magenta (45%)

Yellow (0%)

Black (67%)



Cyan (72%)

Magenta (81%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 26.936, 316.148 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, 26.936, 316.148 by changing the saturation by 10% instead.

 24, 26.936,
316.148

 24, 26.936,
316.148

 100, 26.936,
316.148

 14, 26.936,
316.148


 44, 26.936,
316.148

 4, 26.936, 316.148

 54, 26.936,
316.148

 0, 26.936, 316.148

 64, 26.936,
316.148

 74, 26.936,
316.148

 84, 26.936,
316.148

 94, 26.936,

316.148

■ 24, 26.936,
316.148

■ 24, 26.936,
316.148

■ 21, 32.923,
316.506

■ 27, 20.824,
315.753

■ 19, 38.623,
316.793

■ 29, 14.703,
315.345

■ 17, 43.813,
316.967

■ 32, 8.644, 314.939

■ 15, 48.222,
316.973

■ 35, 2.693, 314.528

■ 14, 51.922,
316.850

■ 38, 3.124, 134.225

■ 13, 54.107,
316.865

■ 43, 14.316,
133.548

■ 46, 19.684,
133.260

■ 49, 24.904,
133.000

Harmonies

Complementary

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



24, 26.936, 316.148



33, 25.983, 132.424

Rectangle

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



24, 26.936, 316.148



24, 26.936, 6.148



24, 26.936, 136.148



24, 26.936, 186.148

Sweetspot

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



24, 26.935, 316.148



42, 9.468, 314.892



25, 16.721, 276.744



20, 6.688, 314.952



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



24, 26.935, 316.148



28, 40.058, 316.543



25, 26.015, 331.358



16, 3.342, 314.705



17, 63.548, 316.576



43, 113.450, 315.918

Inverse Universe

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



25, 19.278, 357.974



30, 28.689, 359.834



33, 26.016, 145.535



16, 2.352, 353.799



21, 45.047, 14.182



50, 81.187, 18.172

Previews

White Background



This preview shows how the CIE LCh color 24, 26.936, 316.148 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, 26.936, 316.148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

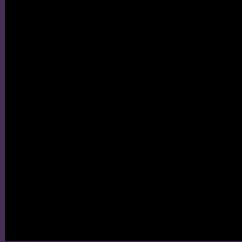
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 26.936, 316.148

Background



This preview shows how black text looks on a background with the CIELCh color 24, 26.936, 316.148.



This preview shows how white text looks on a background with the CIELCh color 24, 26.936, 316.148.

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, 26.936, 316.148

Protanopia

24, 24.651, 285.246

Deuteranopia

24, 17.446, 281.719



Tritanopia
24, 7.697, 355.630

Trichromacy



Original Color
24, 26.936, 316.148

Protanomaly
24, 24.570, 295.989

Deuteranomaly
24, 20.675, 297.530

Tritanomaly
24, 14.001, 328.833

Monochromacy



Original Color
24, 26.936, 316.148

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 10.096, 314.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 26.936, 316.148 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(72, 47, 85)` looks like.

```
.text, #text, p{  
    color:rgb(72, 47, 85)  
}
```

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(72, 47, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 47, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 26.936, 316.148 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(72, 47, 85) }
```

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

```
.border{ border-color:rgb(72, 47, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 47, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 47, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 47, 85);  
box-shadow:4px 4px 4px 4px rgb(72, 47, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 26.936, 316.148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 47, 85) }
```

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

```
.background{ background-color: rgb(72, 47,  
85) }
```

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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