

Converting Colors

CIELCh(18, 45.086, 298.561)

Have a look what the booklet for
CIELCh(18, 45.086, 298.561)
contains.

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Color

CIELCh(18, 44.975, 298.390)

Conversions

Conversions Part 1

Format	Color
Hex	1F2466
RGB	31, 36, 102
RGB Percent	12%, 14%, 40%
CMY	0.8781, 0.8586, 0.5997
CMYK	0.70, 0.65, 0.00, 0.60
HSL	236°, 53%, 26%
HSV	236°, 70%, 40%
XYZ	3.6013, 2.5180, 12.8833
YIQ	42.0290, -24.1660, 19.4660

Conversions

Conversions Part 2

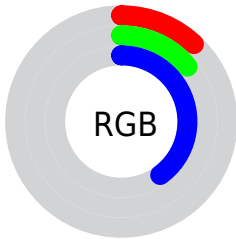
Format	Color
R_{YB}	31, 36, 102
Decimal	2040934
CIE _{Lab}	18.00, 21.38, -39.57
CIE _{LCh}	18, 44.975, 298.390
Yxy	2.5180, 0.1895, 0.1325
Android (android.graphics.Color)	4280231014 (0xFF1F2466)
YUV	42.0290, 29.5657, -9.6724
Hunter-Lab	15.8683, 12.7408, -37.0289

Details

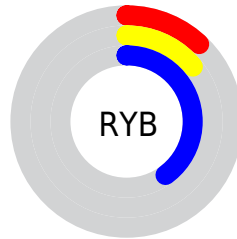
The CIELCh color **18, 44.975, 298.390** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **40, 37.530, 100.624**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 44.825, 298.207**, and **2, 36.099, 297.925** is the 20% darker color. If you saturate the color by 10%, you get **15, 52.033, 300.705**, and if you desaturate by 10%, it is **21, 37.867, 296.152**.

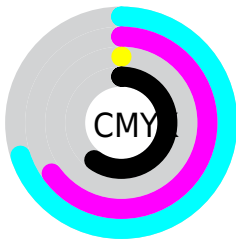
Distribution



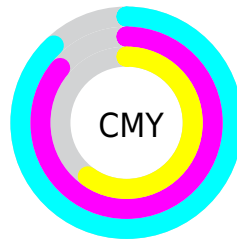
- Red (12%)
- Green (14%)
- Blue (40%)



- Red (12%)
- Yellow (14%)
- Blue (40%)



- Cyan (70%)
- Magenta (65%)
- Yellow (0%)
- Black (60%)



- Cyan (88%)
- Magenta (86%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 44.975, 298.390 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 18, 44.975, 298.390 by changing the saturation by 10% instead.

■ 18, 44.975,
298.390

■ 18, 44.975,
298.390

■ 100, 44.975,
298.390

■ 8, 44.975, 298.390

■ 38, 44.975,
298.390

■ 0, 44.975, 298.390

■ 48, 44.975,
298.390

■ 58, 44.975,
298.390

■ 68, 44.975,
298.390

■ 78, 44.975,
298.390


■ 88, 44.975,


298.390


 98, 44.975,
298.390


 18, 44.975,
298.390


 18, 44.975,
298.390

 15, 52.033,
300.705


 21, 37.867,
296.152


 12, 58.586,
302.891


 25, 30.921,
294.103

 10, 64.100,
304.548

 29, 24.213,
292.288

 10, 64.345,
304.616

 32, 17.754,
290.709

 36, 11.535,
289.349

■ 40, 5.538, 288.184

■ 43, 0.251, 106.941

■ 47, 5.849, 106.291

■ 51, 11.267,
105.545

Harmonies

Complementary

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



18, 44.975, 298.390



40, 37.530, 100.624

Rectangle

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



18, 44.975, 298.390



18, 44.975, 348.390



18, 44.975, 118.390



18, 44.975, 168.390

Sweetspot

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



18, 44.975, 298.391



46, 15.420, 289.612



39, 23.327, 187.570



22, 10.387, 289.858



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



18, 44.975, 298.391



19, 67.448, 302.011



20, 47.771, 309.994



19, 3.251, 288.117



12, 70.413, 304.819



31, 125.718, 305.637

Inverse Universe

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



23, 35.263, 24.112



28, 52.190, 29.586



40, 42.235, 123.260



19, 2.451, 14.164



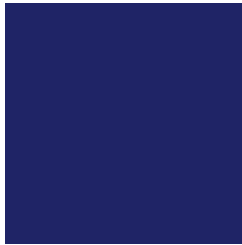
22, 54.148, 34.540



51, 97.778, 37.870

Previews

White Background



This preview shows how the CIE LCh color 18, 44.975, 298.390 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 18, 44.975, 298.390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

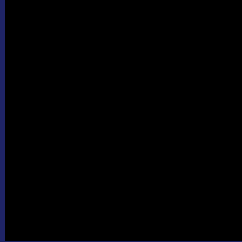
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 44.975, 298.390

Background



This preview shows how black text looks on a background with the CIELCh color 18, 44.975, 298.390.



This preview shows how white text looks on a background with the CIELCh color 18, 44.975, 298.390.

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

18, 44.975, 298.390

Protanopia

18, 32.840, 282.671

Deuteranopia

18, 23.723, 268.615



Tritanopia
18, 15.179, 207.268

Trichromacy



Original Color
18, 44.975, 298.390

Protanomaly
17, 37.311, 289.386

Deuteranomaly
18, 31.376, 284.345

Tritanomaly
17, 20.250, 267.788

Monochromacy



Original Color
18, 44.975, 298.390

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 16.702, 291.719

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 44.975, 298.390 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(31, 36, 102)` looks like.

```
.text, #text, p{  
    color:rgb(31, 36, 102)  
}
```

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(31, 36, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 36, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 44.975, 298.390 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(31, 36, 102) }
```

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

```
.border{ border-color:rgb(31, 36, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 36, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 36, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 36, 102);  
box-shadow:4px 4px 4px 4px rgb(31, 36,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 44.975, 298.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 36, 102) }
```

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

```
.background{ background-color: rgb(31, 36,  
102) }
```

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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