

Converting Colors

CIELCh(18, 25.247, 302.319)

Have a look what the booklet for
CIELCh(18, 25.247, 302.319)
contains.

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Color

CIELCh(18, 25.005, 301.750)

Conversions

Conversions Part 1

Format	Color
Hex	2E274B
RGB	46, 39, 75
RGB Percent	18%, 15%, 29%
CMY	0.8205, 0.8479, 0.7068
CMYK	0.39, 0.48, 0.00, 0.71
HSL	252°, 32%, 22%
HSV	252°, 48%, 29%
XYZ	3.0976, 2.5180, 6.9382
YIQ	45.1970, -7.3840, 12.6800

Conversions

Conversions Part 2

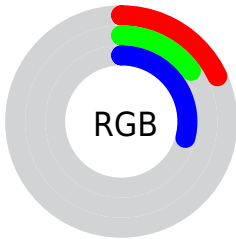
Format	Color
RYB	46, 39, 75
Decimal	3024715
CIELab	18.00, 13.16, -21.26
CIELCh	18, 25.005, 301.750
Yxy	2.5180, 0.2467, 0.2006
Android (android.graphics.Color)	4281214795 (0xFF2E274B)
YUV	45.1970, 14.6929, 0.7042
Hunter-Lab	15.8683, 7.0745, -14.8158




Details

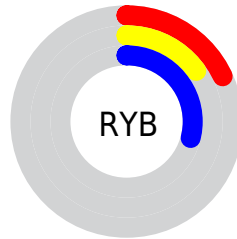
The CIELCh color **18, 25.005, 301.750** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **30, 22.528, 114.815**, and the grayscale version is **18, 0.003, 296.813**.




A 20% lighter version of the original color is **38, 24.933, 301.409**, and **1, 17.760, 290.707** is the 20% darker color. If you saturate the color by 10%, you get **15, 30.647, 302.856**, and if you desaturate by 10%, it is **21, 19.485, 300.732**.

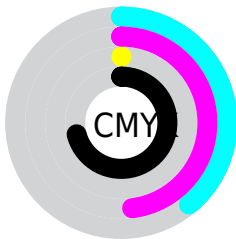
Distribution







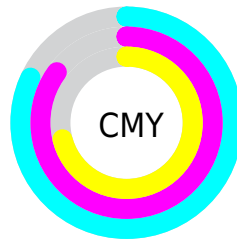
-  Red (18%)
-  Green (15%)
-  Blue (29%)






-  Red (18%)
-  Yellow (15%)
-  Blue (29%)



-  Cyan (39%)
-  Magenta (48%)
-  Yellow (0%)
-  Black (71%)



-  Cyan (82%)
-  Magenta (85%)
-  Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 25.005, 301.750 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, 25.005, 301.750 by changing the saturation by 10% instead.

■ 18, 25.005,
301.750

■ 18, 25.005,
301.750

■ 100, 25.005,
301.750

■ 8, 25.005, 301.750

■ 38, 25.005,
301.750

■ 0, 25.005, 301.750

■ 48, 25.005,
301.750


■ 58, 25.005,
301.750


■ 68, 25.005,
301.750


■ 78, 25.005,
301.750


■ 88, 25.005,


301.750


 98, 25.005,
301.750


 18, 25.005,
301.750


 18, 25.005,
301.750

 15, 30.647,
302.856

 21, 19.485,
300.732

 13, 36.323,
304.013

 24, 14.129,
299.815

 10, 41.848,
305.148

 27, 8.948, 299.000

 8, 46.914, 306.150

 29, 3.942, 298.282

 6, 51.582, 306.967

 32, 0.894, 117.660

 5, 52.428, 307.101

 35, 5.570, 117.106

■ 38, 10.093,
116.626

■ 41, 14.473,
116.208

■ 44, 18.718,
115.844

Harmonies

Complementary

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



18, 25.005, 301.750



30, 22.528, 114.815

Rectangle

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



18, 25.005, 301.750



18, 25.005, 351.750



18, 25.005, 121.750



18, 25.005, 171.750

Sweetspot

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



18, 25.004, 301.750



36, 8.520, 298.731



27, 11.624, 219.720



17, 5.813, 298.815



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



18, 25.004, 301.750



21, 38.015, 303.092



20, 26.165, 317.042



14, 2.765, 298.321



10, 66.916, 307.608



30, 121.960, 307.120

Inverse Universe

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



21, 24.351, 333.146



26, 35.574, 333.919



29, 25.284, 133.069



14, 2.895, 330.770



22, 51.121, 337.175



52, 91.600, 337.964

Previews

White Background



This preview shows how the CIE LCh color 18, 25.005, 301.750 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, 25.005, 301.750 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, 25.005, 301.750

Background



This preview shows how black text looks on a background with the CIELCh color 18, 25.005, 301.750.



This preview shows how white text looks on a background with the CIELCh color 18, 25.005, 301.750.

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

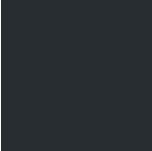
18, 25.005, 301.750

Protanopia

18, 25.003, 284.782

Deuteranopia

18, 21.200, 278.657



Tritanopia
18, 3.509, 251.172

Trichromacy



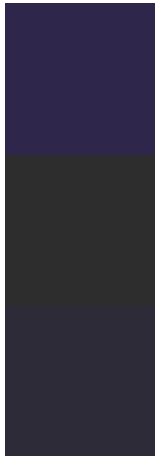
Original Color
18, 25.005, 301.750

Protanomaly
18, 24.869, 290.788

Deuteranomaly
18, 22.170, 287.616

Tritanomaly
18, 10.368, 290.428

Monochromacy



Original Color
18, 25.005, 301.750

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 9.041, 297.875

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 25.005, 301.750 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(46, 39, 75)` looks like.

```
.text, #text, p{  
    color:rgb(46, 39, 75)  
}
```

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(46, 39, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 39, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 25.005, 301.750 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(46, 39, 75) }
```

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

```
.border{ border-color:rgb(46, 39, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 39, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 39, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 39, 75);  
box-shadow:4px 4px 4px 4px rgb(46, 39, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 25.005, 301.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 39, 75) }
```

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

```
.background{ background-color: rgb(46, 39,  
75) }
```

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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