

Converting Colors

CIELCh(18, 25.955, 316.229)

Have a look what the booklet for
CIELCh(18, 25.955, 316.229)
contains.

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Color

CIELCh(18, 25.636, 316.267)

Conversions

Conversions Part 1

Format	Color
Hex	3A2346
RGB	58, 35, 70
RGB Percent	23%, 14%, 27%
CMY	0.7736, 0.8637, 0.7265
CMYK	0.17, 0.50, 0.00, 0.73
HSL	279°, 33%, 20%
HSV	279°, 50%, 27%
XYZ	3.4204, 2.5180, 6.0558
YIQ	45.8670, 2.4730, 15.7610

Conversions

Conversions Part 2

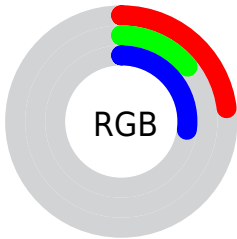
Format	Color
R_{YB}	58, 35, 70
Decimal	3810118
CIE _{Lab}	18.00, 18.52, -17.72
CIE _{LCh}	18, 25.636, 316.267
Yxy	2.5180, 0.2852, 0.2099
Android (android.graphics.Color)	4282000198 (0xFF3A2346)
YUV	45.8670, 11.8976, 10.6406
Hunter-Lab	15.8683, 10.7058, -11.5191

Details

The CIELCh color **18, 25.636, 316.267** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **27, 24.647, 132.200**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 26.010, 316.012**, and **1, 14.832, 300.995** is the 20% darker color. If you saturate the color by 10%, you get **16, 30.627, 316.592**, and if you desaturate by 10%, it is **20, 20.494, 315.896**.

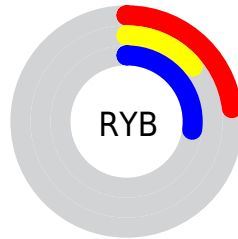
Distribution



Red (23%)

Green (14%)

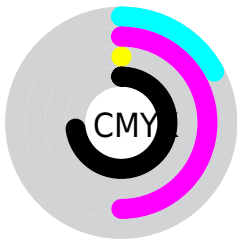
Blue (27%)



Red (23%)

Yellow (14%)

Blue (27%)

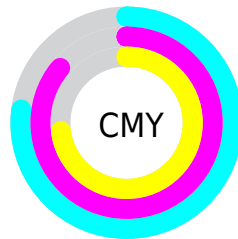


Cyan (17%)

Magenta (50%)

Yellow (0%)

Black (73%)



Cyan (77%)


Magenta (86%)


Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 25.636, 316.267 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, 25.636, 316.267 by changing the saturation by 10% instead.

 18, 25.636,
316.267


 18, 25.636,
316.267


 100, 25.636,
316.267


 8, 25.636, 316.267


 38, 25.636,
316.267

 0, 25.636, 316.267

 48, 25.636,
316.267

 58, 25.636,
316.267


 68, 25.636,
316.267


 78, 25.636,
316.267


 88, 25.636,


316.267


 98, 25.636,
316.267


 18, 25.636,
316.267


 18, 25.636,
316.267


 16, 30.627,
316.592


 20, 20.494,
315.896

 14, 35.322,
316.838


 22, 15.309,
315.503

 12, 39.527,
316.960

 25, 10.152,
315.107

 11, 43.163,
316.954

 27, 5.068, 314.715

 9, 47.145, 317.137

 30, 0.083, 313.410

 32, 4.786, 134.036

■ 34, 9.533, 133.708

■ 37, 14.155,
133.411

■ 39, 18.653,
133.142

Harmonies

Complementary

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



18, 25.636, 316.267



27, 24.647, 132.200

Rectangle

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



18, 25.636, 316.267



18, 25.636, 6.267



18, 25.636, 136.267



18, 25.636, 186.267

Sweetspot

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



18, 25.635, 316.267



35, 9.450, 314.929



19, 15.959, 277.623



16, 6.359, 314.966



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



18, 25.635, 316.267



22, 38.303, 316.659



19, 24.629, 331.594



13, 2.830, 314.655



16, 60.294, 316.635



41, 110.656, 315.907

Inverse Universe

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



19, 18.367, 358.532



23, 27.424, 0.704



26, 24.668, 145.123



13, 1.993, 353.690



19, 42.687, 13.559



48, 79.112, 17.958

Previews

White Background



This preview shows how the CIE LCh color 18, 25.636, 316.267 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, 25.636, 316.267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

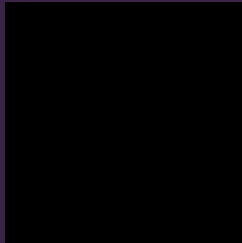
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 25.636, 316.267

Background



This preview shows how black text looks on a background with the CIELCh color 18, 25.636, 316.267.



This preview shows how white text looks on a background with the CIELCh color 18, 25.636, 316.267.

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, 25.636, 316.267

Protanopia

18, 24.270, 285.437

Deuteranopia

18, 16.834, 280.547



Tritanopia
18, 6.650, 3.012

Trichromacy



Original Color
18, 25.636, 316.267

Protanomaly
18, 24.185, 295.104

Deuteranomaly
18, 19.371, 295.936

Tritanomaly
18, 12.097, 329.504

Monochromacy



Original Color
18, 25.636, 316.267

Achromatopsia
19, 0.004, 296.813

Achromatomaly
18, 9.691, 313.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 25.636, 316.267 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(58, 35, 70)` looks like.

```
.text, #text, p{  
    color:rgb(58, 35, 70)  
}
```

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(58, 35, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 35, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 25.636, 316.267 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(58, 35, 70) }
```

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

```
.border{ border-color:rgb(58, 35, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 35, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 35, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 35, 70);  
box-shadow:4px 4px 4px 4px rgb(58, 35, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 25.636, 316.267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 35, 70) }
```

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

```
.background{ background-color: rgb(58, 35,  
70) }
```

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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