

Converting Colors

CIELCh(18, 13.251, 341.766)

Have a look what the booklet for
CIELCh(18, 13.251, 341.766)
contains.

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Color

CIELCh(18, 12.762, 342.616)

Conversions

Conversions Part 1

Format	Color
Hex	3B2632
RGB	59, 38, 50
RGB Percent	23%, 15%, 20%
CMY	0.7698, 0.8520, 0.8050
CMYK	0.00, 0.36, 0.15, 0.77
HSL	326°, 22%, 19%
HSV	326°, 36%, 23%
XYZ	3.0410, 2.5180, 3.3123
YIQ	45.6470, 8.6640, 8.1840

Conversions

Conversions Part 2

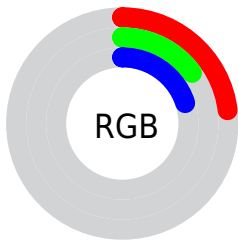
Format	Color
R_{YB}	59, 38, 50
Decimal	3876402
CIE _{Lab}	18.00, 12.18, -3.81
CIE _{LCh}	18, 12.762, 342.616
Yxy	2.5180, 0.3428, 0.2838
Android (android.graphics.Color)	4282066482 (0xFF3B2632)
YUV	45.6470, 2.1460, 11.7106
Hunter-Lab	15.8683, 6.4377, -1.2680

Details

The CIELCh color **18, 12.762, 342.616** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 12.439, 157.248**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 12.885, 343.247**, and **1, 2.898, 3.247** is the 20% darker color. If you saturate the color by 10%, you get **16, 16.290, 343.525**, and if you desaturate by 10%, it is **20, 9.166, 341.792**.

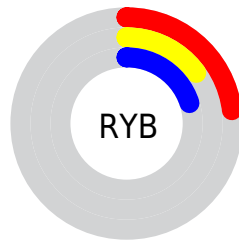
Distribution



Red (23%)

Green (15%)

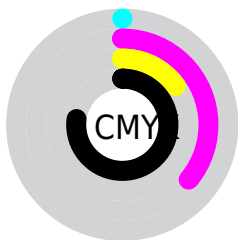
Blue (20%)



Red (23%)

Yellow (15%)

Blue (20%)

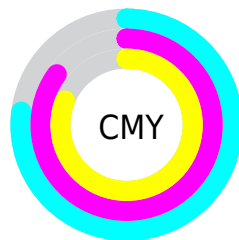


Cyan (0%)

Magenta (36%)

Yellow (15%)

Black (77%)



Cyan (77%)


Magenta (85%)


Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 12.762, 342.616 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, 12.762, 342.616 by changing the saturation by 10% instead.

 18, 12.762,
342.616


 18, 12.762,
342.616


 100, 12.762,
342.616


 8, 12.762, 342.616


 38, 12.762,
342.616

 0, 12.762, 342.616

 48, 12.762,
342.616


 58, 12.762,
342.616


 68, 12.762,
342.616


 78, 12.762,
342.616


 88, 12.762,

342.616


 98, 12.762,
342.616

 18, 12.762,
342.616

 18, 12.762,
342.616


 16, 16.290,
343.525

 20, 9.166, 341.792


 15, 19.664,
344.538

 22, 5.569, 341.029

 24, 2.012, 340.284


 13, 22.772,
345.692


 26, 1.475, 159.827

 12, 25.481,
347.031

 28, 4.878, 159.148

 30, 8.187, 158.570

 11, 27.691,
348.595

 32, 11.400,

■ 10, 30.001,
350.016

158.034

■ 9, 31.104, 350.533

■ 34, 14.519,
157.533

■ 36, 17.545,
157.061

Harmonies

Complementary

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



18, 12.762, 342.616



23, 12.439, 157.248

Rectangle

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



18, 12.762, 342.616



18, 12.762, 32.616



18, 12.762, 162.616



18, 12.762, 212.616

Sweetspot

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



18, 12.761, 342.617



30, 4.839, 340.719



17, 15.149, 307.803



14, 3.192, 340.739



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



18, 12.761, 342.617



23, 19.109, 343.456



18, 10.626, 15.627



10, 2.022, 340.496



19, 42.202, 353.007



48, 77.616, 355.845

Inverse Universe

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



18, 12.761, 342.617



23, 19.109, 343.456



23, 8.904, 190.252



10, 2.022, 340.496



19, 42.202, 353.007



48, 77.616, 355.845

Previews

White Background



This preview shows how the CIELCh color 18, 12.762, 342.616 looks on a white background.

Color Contrast Check

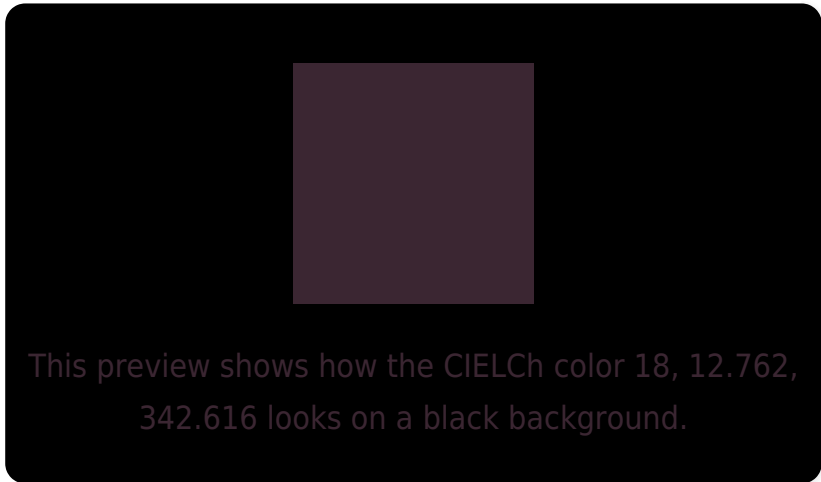
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

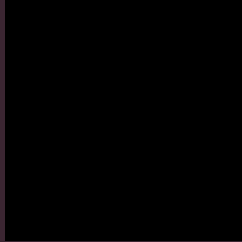
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 12.762, 342.616

Background



This preview shows how black text looks on a background with the CIELCh color 18, 12.762, 342.616.



This preview shows how white text looks on a background with the CIELCh color 18, 12.762, 342.616.

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, 12.762, 342.616

Protanopia
18, 6.934, 284.703

Deuteranopia
18, 4.560, 315.077



Tritanopia
18, 9.616, 9.521

Trichromacy



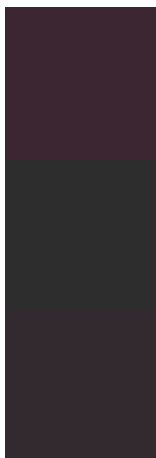
Original Color
18, 12.762, 342.616

Protanomaly
18, 7.463, 313.167

Deuteranomaly
18, 7.250, 331.543

Tritanomaly
18, 10.056, 357.911

Monochromacy



Original Color
18, 12.762, 342.616

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 5.133, 338.454

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 12.762, 342.616 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(59, 38, 50)` looks like.

```
.text, #text, p{  
  color:rgb(59, 38, 50)  
}
```

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(59, 38, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 38, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 12.762, 342.616 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(59, 38, 50) }
```

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

```
.border{ border-color:rgb(59, 38, 50) }
```

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

Here you see how a box with a 4 pixel rgb(59, 38, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 38, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 38, 50);  
box-shadow:4px 4px 4px 4px rgb(59, 38, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 12.762, 342.616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 38, 50) }
```

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

```
.background{ background-color: rgb(59, 38,  
50) }
```

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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