

Converting Colors

CIELCh(18, 18.964, 326.587)

Have a look what the booklet for
CIELCh(18, 18.964, 326.587)
contains.

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Color

CIELCh(18, 18.652, 326.250)

Conversions

Conversions Part 1

Format	Color
Hex	3B243B
RGB	59, 36, 59
RGB Percent	23%, 14%, 23%
CMY	0.7682, 0.8584, 0.7682
CMYK	0.00, 0.39, 0.00, 0.77
HSL	300°, 24%, 19%
HSV	300°, 39%, 23%
XYZ	3.2364, 2.5180, 4.4679
YIQ	45.4990, 6.3250, 12.0290

Conversions

Conversions Part 2

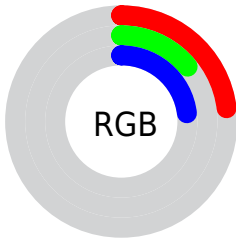
Format	Color
R_{YB}	59, 36, 59
Decimal	3875899
CIE _{Lab}	18.00, 15.51, -10.36
CIE _{LCh}	18, 18.652, 326.250
Yxy	2.5180, 0.3166, 0.2463
Android (android.graphics.Color)	4282065979 (0xFF3B243B)
YUV	45.4990, 6.6560, 11.8404
Hunter-Lab	15.8683, 8.6358, -5.5858

Details

The CIELCh color **18, 18.652, 326.250** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22, 18.664, 142.029**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 18.643, 326.753**, and **1, 7.456, 312.006** is the 20% darker color. If you saturate the color by 10%, you get **16, 23.223, 326.680**, and if you desaturate by 10%, it is **20, 13.910, 325.795**.

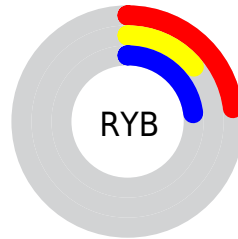
Distribution



Red (23%)

Green (14%)

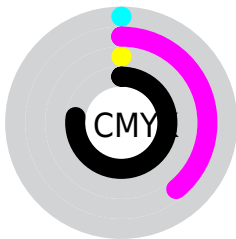
Blue (23%)



Red (23%)

Yellow (14%)

Blue (23%)

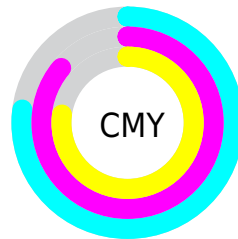


Cyan (0%)

Magenta (39%)

Yellow (0%)

Black (77%)



Cyan (77%)


Magenta (86%)


Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 18.652, 326.250 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, 18.652, 326.250 by changing the saturation by 10% instead.

 18, 18.652,
326.250


 18, 18.652,
326.250


 100, 18.652,
326.250


 8, 18.652, 326.250


 38, 18.652,
326.250

 0, 18.652, 326.250

 48, 18.652,
326.250


 58, 18.652,
326.250


 68, 18.652,
326.250


 78, 18.652,
326.250


 88, 18.652,


326.250


 98, 18.652,
326.250

 18, 18.652,
326.250


 18, 18.652,
326.250

 16, 23.223,
326.680


 20, 13.910,
325.795

 15, 27.511,
327.075


 21, 9.092, 325.324

 14, 31.380,
327.423

 23, 4.269, 324.839

 13, 34.692,
327.716

 25, 0.509, 144.609

 12, 37.487,
327.957

 29, 9.804, 143.495

■ 11, 40.431,
328.207

■ 31, 14.286,
143.058

■ 11, 40.764,
328.235

■ 33, 18.647,
142.641

■ 35, 22.886,
142.245

Harmonies

Complementary

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



18, 18.652, 326.250



22, 18.664, 142.029

Rectangle

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



18, 18.652, 326.250



18, 18.652, 16.250



18, 18.652, 146.250



18, 18.652, 196.250

Sweetspot

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



18, 18.651, 326.250



30, 7.135, 325.017



15, 16.237, 294.437



13, 4.645, 325.024



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, 18.651, 326.250



22, 27.661, 326.689



18, 13.378, 346.845



10, 2.734, 324.817



21, 55.837, 328.235



53, 104.021, 328.236

Inverse Universe

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



18, 18.651, 326.250



22, 27.661, 326.689



23, 12.842, 160.468



10, 2.734, 324.817



21, 55.837, 328.235



53, 104.021, 328.236

Previews

White Background



This preview shows how the CIE LCh color 18, 18.652, 326.250 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, 18.652, 326.250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

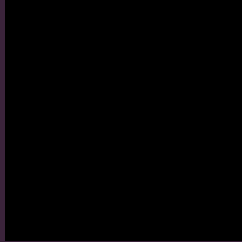
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 18.652, 326.250

Background



This preview shows how black text looks on a background with the CIELCh color 18, 18.652, 326.250.



This preview shows how white text looks on a background with the CIELCh color 18, 18.652, 326.250.

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, 18.652, 326.250

Protanopia

18, 14.614, 283.142

Deuteranopia

18, 9.666, 287.568



Tritanopia
18, 8.600, 7.748

Trichromacy



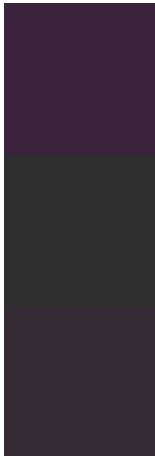
Original Color
18, 18.652, 326.250

Protanomaly
18, 15.354, 299.924

Deuteranomaly
18, 12.193, 307.290

Tritanomaly
18, 11.247, 344.767

Monochromacy



Original Color
18, 18.652, 326.250

Achromatopsia
19, 0.004, 296.813

Achromatomaly
18, 7.487, 325.236

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 18.652, 326.250 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, 36, 59)` looks like.

```
.text, #text, p{  
    color:rgb(59, 36, 59)  
}
```

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, 36, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 36, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 18.652, 326.250 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, 36, 59) }
```

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

```
.border{ border-color:rgb(59, 36, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 36, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 36, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 36, 59);  
box-shadow:4px 4px 4px 4px rgb(59, 36, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 18.652, 326.250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 36, 59) }
```

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

```
.background{ background-color: rgb(59, 36,  
59) }
```

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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