

Converting Colors

CIELCh(18, 17.771, 323.410)

Have a look what the booklet for
CIELCh(18, 17.771, 323.410)
contains.

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Color

CIELCh(18, 17.455, 323.526)

Conversions

Conversions Part 1

Format	Color
Hex	39253B
RGB	57, 37, 59
RGB Percent	22%, 15%, 23%
CMY	0.7761, 0.8545, 0.7683
CMYK	0.03, 0.37, 0.00, 0.77
HSL	295°, 23%, 19%
HSV	295°, 37%, 23%
XYZ	3.1489, 2.5180, 4.4705
YIQ	45.4880, 4.8580, 11.0820

Conversions

Conversions Part 2

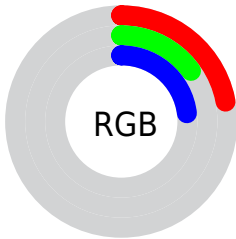
Format	Color
R_{YB}	57, 37, 59
Decimal	3745083
CIE _{Lab}	18.00, 14.04, -10.38
CIE _{LCh}	18, 17.455, 323.526
Yxy	2.5180, 0.3106, 0.2484
Android (android.graphics.Color)	4281935163 (0xFF39253B)
YUV	45.4880, 6.6614, 10.0960
Hunter-Lab	15.8683, 7.6524, -5.5958

Details

The CIELCh color **18, 17.455, 323.526** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 17.359, 139.981**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 17.275, 323.227**, and **1, 7.104, 303.719** is the 20% darker color. If you saturate the color by 10%, you get **16, 22.023, 323.913**, and if you desaturate by 10%, it is **20, 12.773, 323.114**.

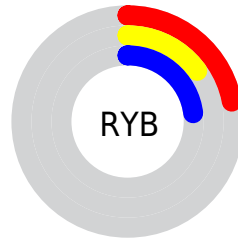
Distribution



Red (22%)

Green (15%)

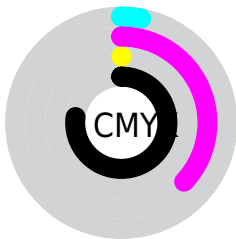
Blue (23%)



Red (22%)

Yellow (15%)

Blue (23%)

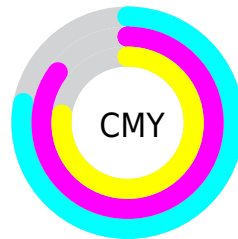


Cyan (3%)

Magenta (37%)

Yellow (0%)

Black (77%)



Cyan (78%)

Magenta (85%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 17.455, 323.526 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, 17.455, 323.526 by changing the saturation by 10% instead.

■ 18, 17.455,
323.526

■ 18, 17.455,
323.526

■ 100, 17.455,
323.526

■ 8, 17.455, 323.526

■ 38, 17.455,
323.526

■ 0, 17.455, 323.526

■ 48, 17.455,
323.526


■ 58, 17.455,
323.526


■ 68, 17.455,
323.526


■ 78, 17.455,
323.526


■ 88, 17.455,


323.526


 98, 17.455,
323.526

 18, 17.455,
323.526


 18, 17.455,
323.526

 16, 22.023,
323.913


 20, 12.773,
323.114

 15, 26.377,
324.261


 22, 8.057, 322.688



 13, 30.388,
324.554

 24, 3.363, 322.246

 12, 33.914,
324.773

 25, 1.269, 141.937

 11, 36.898,
324.915

 27, 5.814, 141.467
 29, 10.257,
141.067

■ 10, 40.028,
325.094

■ 31, 14.589,
140.690

■ 10, 40.956,
325.155

■ 33, 18.808,
140.333

■ 35, 22.912,
139.997

Harmonies

Complementary

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



18, 17.455, 323.526



23, 17.359, 139.981

Rectangle

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



18, 17.455, 323.526



18, 17.455, 13.526



18, 17.455, 143.526



18, 17.455, 193.526

Sweetspot

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



18, 17.454, 323.526



30, 6.358, 322.438



16, 13.852, 290.101



14, 4.194, 322.450



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, 17.454, 323.526



22, 26.028, 323.906



18, 13.616, 341.297



10, 2.659, 322.304



19, 56.139, 324.922



49, 104.648, 324.662

Inverse Universe

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



17, 11.175, 15.241



22, 17.141, 16.604



23, 13.316, 155.805



10, 1.585, 12.389



18, 45.532, 31.203



46, 90.299, 36.809

Previews

White Background



This preview shows how the CIELCh color 18, 17.455, 323.526 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, 17.455, 323.526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

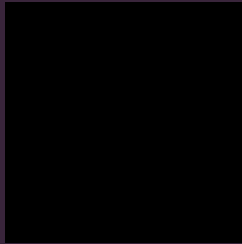
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 17.455, 323.526

Background



This preview shows how black text looks on a background with the CIELCh color 18, 17.455, 323.526.



This preview shows how white text looks on a background with the CIELCh color 18, 17.455, 323.526.

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, 17.455, 323.526

Protanopia

18, 13.893, 283.873

Deuteranopia

18, 9.701, 285.141



Tritanopia
18, 7.630, 5.659

Trichromacy



Original Color
18, 17.455, 323.526

Protanomaly
18, 14.674, 300.109

Deuteranomaly
18, 12.099, 305.280

Tritanomaly
18, 10.524, 341.298

Monochromacy



Original Color
18, 17.455, 323.526

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 6.408, 321.611

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 17.455, 323.526 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(57, 37, 59)` looks like.

```
.text, #text, p{  
    color:rgb(57, 37, 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(57, 37, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 37, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 17.455, 323.526 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(57, 37, 59) }
```

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

```
.border{ border-color:rgb(57, 37, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 37, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 37, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 37, 59);  
box-shadow:4px 4px 4px 4px rgb(57, 37, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 17.455, 323.526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 37, 59) }
```

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

```
.background{ background-color: rgb(57, 37,  
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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