

Converting Colors

CIELCh(19, 10.950, 65.404)

Have a look what the booklet for
CIELCh(19, 10.950, 65.404) contains.

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Color

CIELCh(19, 10.684, 64.460)

Conversions

Conversions Part 1

Format	Color
Hex	392B20
RGB	57, 43, 32
RGB Percent	22%, 17%, 13%
CMY	0.7748, 0.8298, 0.8730
CMYK	0.00, 0.24, 0.44, 0.77
HSL	26°, 28%, 18%
HSV	26°, 44%, 23%
XYZ	2.8573, 2.7468, 1.7743
YIQ	45.9320, 11.8750, -0.4530

Conversions

Conversions Part 2

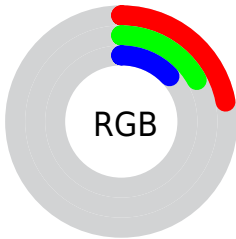
Format	Color
RYB	57, 52, 32
Decimal	3746592
CIELab	19.00, 4.61, 9.64
CIElCh	19, 10.684, 64.460
Yxy	2.7468, 0.3873, 0.3723
Android (android.graphics.Color)	4281936672 (0xFF392B20)
YUV	45.9320, -6.8685, 9.7066
Hunter-Lab	16.5735, 1.7699, 5.2542

Details

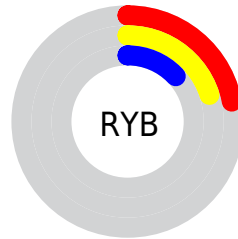
The CIELCh color **19, 10.684, 64.460** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 9.221, 254.608**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 10.734, 62.812**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 13.464, 63.539**, and if you desaturate by 10%, it is **20, 8.030, 65.405**.

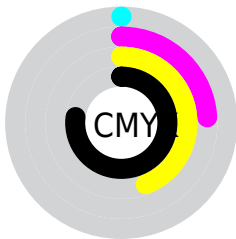
Distribution



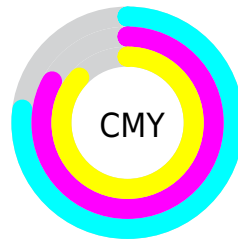
- Red (22%)
- Green (17%)
- Blue (13%)



- Red (22%)
- Yellow (20%)
- Blue (13%)



- Cyan (0%)
- Magenta (24%)
- Yellow (44%)
- Black (77%)



- Cyan (77%)
- Magenta (83%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 10.684, 64.460 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 19, 10.684, 64.460 by changing the saturation by 10% instead.

 19, 10.684, 64.460

 19, 10.684, 64.460

 100, 10.684,
64.460

 9, 10.684, 64.460

 0, 10.684, 64.460

 39, 10.684, 64.460

 49, 10.684, 64.460

 59, 10.684, 64.460

 69, 10.684, 64.460

 79, 10.684, 64.460

 89, 10.684, 64.460

 99, 10.684, 64.460

■ 19, 10.684, 64.460

■ 19, 10.684, 64.460

■ 18, 13.464, 63.539

■ 20, 8.030, 65.405

■ 17, 16.360, 62.622

■ 21, 5.502, 66.350

■ 16, 19.062, 61.242

■ 23, 3.094, 67.286

■ 15, 21.134, 58.859

■ 24, 0.799, 68.085

■ 14, 22.997, 56.459

■ 25, 1.394, 249.375

■ 13, 24.202, 55.180

■ 26, 3.494, 250.238

■ 27, 5.510, 251.139

■ 29, 7.450, 252.027

■ 30, 9.323, 252.894

Harmonies

Complementary

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



19, 10.684, 64.460



18, 9.221, 254.608

Rectangle

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



19, 10.684, 64.460



19, 10.684, 114.460



19, 10.684, 244.460



19, 10.684, 294.460

Sweetspot

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



19, 10.684, 64.466



29, 3.652, 67.287



16, 15.218, 343.569



14, 2.586, 67.197



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



19, 10.684, 64.466



24, 16.162, 63.468



23, 15.317, 103.517



10, 1.219, 67.759



23, 39.275, 57.389



56, 78.461, 55.459

Inverse Universe

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



18, 9.221, 254.608



23, 13.377, 256.834



14, 16.627, 292.483



10, 1.193, 249.576



21, 28.536, 273.781



51, 57.612, 278.098

Previews

White Background



This preview shows how the CIE LCh color 19, 10.684, 64.460 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 19, 10.684, 64.460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

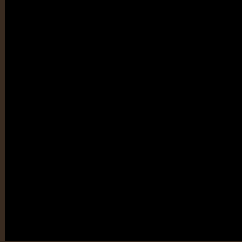
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 10.684, 64.460

Background



This preview shows how black text looks on a background with the CIELCh color 19, 10.684, 64.460.



This preview shows how white text looks on a background with the CIELCh color 19, 10.684, 64.460.

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

19, 10.684, 64.460

Protanopia

19, 8.426, 93.998

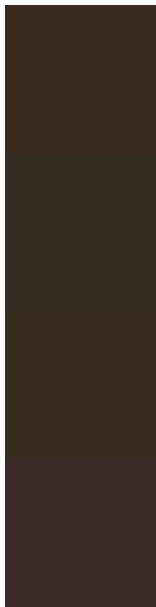
Deuteranopia

19, 10.121, 73.209



Tritanopia
19, 8.538, 7.655

Trichromacy



Original Color
19, 10.684, 64.460

Protanomaly
19, 9.225, 81.245

Deuteranomaly
19, 10.452, 70.867

Tritanomaly
19, 7.889, 35.844

Monochromacy



Original Color
19, 10.684, 64.460

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 3.685, 67.441

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 10.684, 64.460 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, 43, 32)` looks like.

```
.text, #text, p{  
    color:rgb(57, 43, 32)  
}
```

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, 43, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 43, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 10.684, 64.460 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, 43, 32) }
```

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

```
.border{ border-color:rgb(57, 43, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 43, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 43, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 43, 32);  
box-shadow:4px 4px 4px 4px rgb(57, 43, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 10.684, 64.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 43, 32) }
```

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

```
.background{ background-color: rgb(57, 43,  
32) }
```

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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