

Converting Colors

CIELCh(19, 8.900, 13.042)

Have a look what the booklet for
CIELCh(19, 8.900, 13.042) contains.

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Color

CIELCh(19, 8.463, 12.179)

Conversions

Conversions Part 1

Format	Color
Hex	3B2A2C
RGB	59, 42, 44
RGB Percent	23%, 16%, 17%
CMY	0.7694, 0.8360, 0.8282
CMYK	0.00, 0.29, 0.25, 0.77
HSL	353°, 17%, 20%
HSV	353°, 29%, 23%
XYZ	3.0642, 2.7468, 2.7331
YIQ	47.3110, 9.4900, 4.2260

Conversions

Conversions Part 2

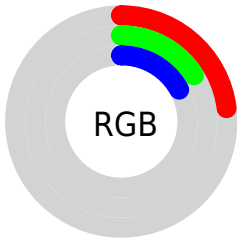
Format	Color
R_{YB}	59, 42, 44
Decimal	3877420
CIE Lab	19.00, 8.27, 1.79
CIE LCh	19, 8.463, 12.179
Yxy	2.7468, 0.3586, 0.3215
Android (android.graphics.Color)	4282067500 (0xFF3B2A2C)
YUV	47.3110, -1.6323, 10.2513
Hunter-Lab	16.5735, 3.9987, 1.8240

Details

The CIELCh color **19, 8.463, 12.179** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 7.441, 187.734**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 8.787, 12.707**, and **1, 3.057, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **17, 11.667, 13.389**, and if you desaturate by 10%, it is **21, 5.391, 11.170**.

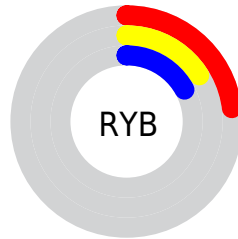
Distribution



Red (23%)

Green (16%)

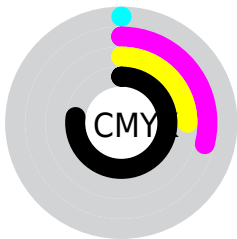
Blue (17%)



Red (23%)

Yellow (16%)

Blue (17%)

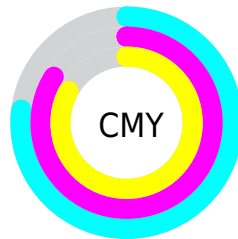


Cyan (0%)

Magenta (29%)

Yellow (25%)

Black (77%)



Cyan (77%)

Magenta (84%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 8.463, 12.179 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, 8.463, 12.179 by changing the saturation by 10% instead.

 19, 8.463, 12.179  19, 8.463, 12.179

 100, 8.463, 12.179  9, 8.463, 12.179

 39, 8.463, 12.179  0, 8.463, 12.179

 49, 8.463, 12.179

 59, 8.463, 12.179

 69, 8.463, 12.179

 79, 8.463, 12.179

 89, 8.463, 12.179

 99, 8.463, 12.179

 19, 8.463, 12.179  19, 8.463, 12.179

17, 11.667, 13.389

21, 5.391, 11.170

15, 14.973, 14.847

23, 2.469, 10.278

14, 18.327, 16.631

25, 0.299, 190.398

12, 21.657, 18.827

27, 2.917, 189.101

11, 24.727, 20.627

29, 5.391, 188.520

10, 27.372, 21.322

31, 7.733, 188.026

9, 30.092, 20.442

33, 9.954, 187.590

8, 30.413, 20.301

35, 12.064,
187.200

37, 14.075,
186.848

Harmonies

Complementary

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



19, 8.463, 12.179



23, 7.441, 187.734

Rectangle

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



19, 8.463, 12.179



19, 8.463, 62.179



19, 8.463, 192.179



19, 8.463, 242.179

Sweetspot

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



19, 8.462, 12.184



30, 3.119, 10.325



19, 13.343, 321.926



14, 2.130, 10.373



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, 8.462, 12.184



24, 13.013, 13.098



21, 6.872, 57.587



10, 1.593, 10.243



18, 45.077, 30.056



46, 88.881, 35.472

Inverse Universe

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



19, 8.462, 12.184



24, 13.013, 13.098



21, 6.075, 242.827



10, 1.593, 10.243



18, 45.077, 30.056



46, 88.881, 35.472

Previews

White Background



This preview shows how the CIELCh color 19, 8.463, 12.179 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 CIELCh color 19, 8.463, 12.179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

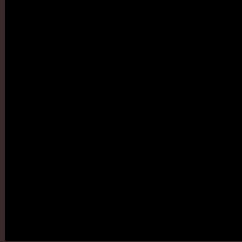
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 8.463, 12.179

Background



This preview shows how black text looks on a background with the CIELCh color 19, 8.463, 12.179.

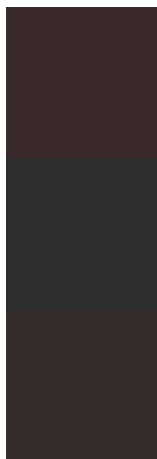


This preview shows how white text looks on a background with the CIELCh color 19, 8.463, 12.179.

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, 8.463, 12.179

Protanopia

19, 0.473, 19.084

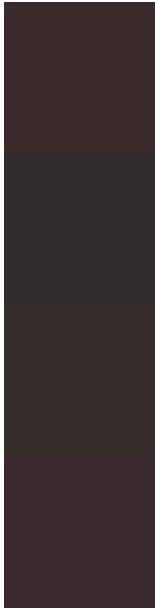
Deuteranopia

19, 3.692, 41.633



Tritanopia
19, 8.538, 7.655

Trichromacy



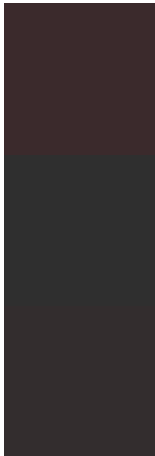
Original Color
19, 8.463, 12.179

Protanomaly
19, 3.442, 8.686

Deuteranomaly
19, 4.971, 28.265

Tritanomaly
19, 8.538, 7.655

Monochromacy



Original Color
19, 8.463, 12.179

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 2.955, 6.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 8.463, 12.179 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, 42, 44)` looks like.

```
.text, #text, p{  
  color:rgb(59, 42, 44)  
}
```

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, 42, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 42, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 8.463, 12.179 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, 42, 44) }
```

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

```
.border{ border-color:rgb(59, 42, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 42, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 42, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 42, 44);  
box-shadow:4px 4px 4px 4px rgb(59, 42, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 8.463, 12.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 42, 44) }
```

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

```
.background{ background-color: rgb(59, 42,  
44) }
```

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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