

Converting Colors

CIE LCh(19, 20.112, 323.129)

Have a look what the booklet for
CIELCh(19, 20.112, 323.129)
contains.

CIELCh(19, 20.213, 322.950)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(19, 20.213, 322.950)

Conversions

Conversions Part 1

Format	Color
Hex	3D2640
RGB	61, 38, 64
RGB Percent	24%, 15%, 25%
CMY	0.7608, 0.8510, 0.7491
CMYK	0.05, 0.41, 0.00, 0.75
HSL	293°, 25%, 20%
HSV	293°, 41%, 25%
XYZ	3.5411, 2.7468, 5.1916
YIQ	47.8410, 5.3620, 12.9620

Conversions

Conversions Part 2

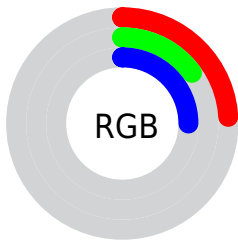
Format	Color
RYB	61, 38, 64
Decimal	4007488
CIELab	19.00, 16.13, -12.18
CIElCh	19, 20.213, 322.950
Yxy	2.7468, 0.3085, 0.2393
Android (android.graphics.Color)	4282197568 (0xFF3D2640)
YUV	47.8410, 7.9664, 11.5404
Hunter-Lab	16.5735, 9.1342, -6.9710

Details

The CIELCh color **19, 20.213, 322.950** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **25, 20.057, 139.099**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 20.574, 322.796**, and **2, 11.888, 315.689** is the 20% darker color. If you saturate the color by 10%, you get **17, 25.012, 323.319**, and if you desaturate by 10%, it is **21, 15.261, 322.550**.

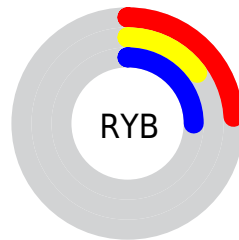
Distribution



Red (24%)

Green (15%)

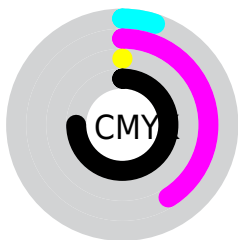
Blue (25%)



Red (24%)

Yellow (15%)

Blue (25%)

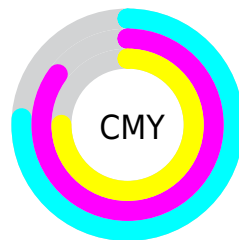


Cyan (5%)

Magenta (41%)

Yellow (0%)

Black (75%)



Cyan (76%)

Magenta (85%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 20.213, 322.950 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, 20.213, 322.950 by changing the saturation by 10% instead.

■ 19, 20.213,
322.950

■ 19, 20.213,
322.950

■ 100, 20.213,
322.950

■ 9, 20.213, 322.950

■ 39, 20.213,
322.950

■ 0, 20.213, 322.950

■ 49, 20.213,
322.950


■ 59, 20.213,
322.950


■ 69, 20.213,
322.950


■ 79, 20.213,
322.950


■ 89, 20.213,


322.950


 99, 20.213,
322.950


 19, 20.213,
322.950


 19, 20.213,
322.950

 17, 25.012,
323.319


 21, 15.261,
322.550

 16, 29.539,
323.639

 23, 10.253,
322.132


 14, 33.646,
323.891

 25, 5.255, 321.703

 13, 37.168,
324.054

 27, 0.313, 320.978

 29, 4.540, 140.923

 12, 40.173,
324.145

 31, 9.287, 140.521

■ 11, 43.222,
324.287

■ 33, 13.917,
140.145

■ 35, 18.426,
139.790

■ 38, 22.813,
139.457

Harmonies

Complementary

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



19, 20.213, 322.950



25, 20.057, 139.099

Rectangle

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



19, 20.213, 322.950



19, 20.213, 12.950



19, 20.213, 142.950



19, 20.213, 192.950

Sweetspot

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



19, 20.212, 322.950



33, 7.458, 321.786



17, 15.951, 289.941



16, 4.992, 321.801



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



19, 20.212, 322.950



24, 30.386, 323.339



19, 16.037, 340.801



12, 2.828, 321.611



19, 57.319, 324.038



49, 105.810, 323.723

Inverse Universe

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



19, 13.153, 13.886



23, 20.349, 15.540



25, 15.698, 154.691



12, 1.706, 10.443



18, 46.133, 30.538



47, 89.808, 35.626

Previews

White Background



This preview shows how the CIE LCh color 19, 20.213, 322.950 looks on a white background.

Color Contrast Check

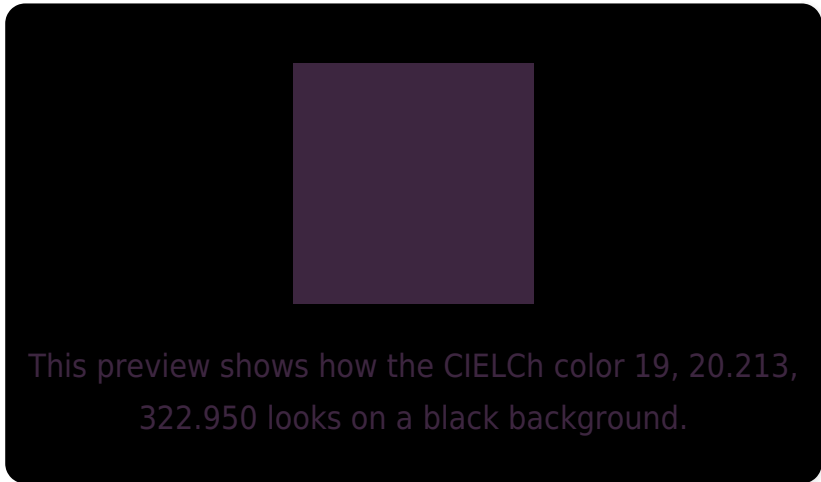
Large Text (above 18pt) WCAG AA ✓ Pass

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

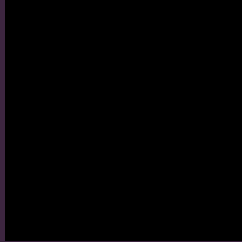
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 20.213, 322.950

Background



This preview shows how black text looks on a background with the CIELCh color 19, 20.213, 322.950.



This preview shows how white text looks on a background with the CIELCh color 19, 20.213, 322.950.

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, 20.213, 322.950

Protanopia

19, 16.562, 283.739

Deuteranopia

19, 11.701, 285.020



Tritanopia
19, 8.055, 6.669

Trichromacy



Original Color
19, 20.213, 322.950

Protanomaly
19, 17.248, 298.122

Deuteranomaly
19, 14.019, 303.657

Tritanomaly
19, 11.220, 340.207

Monochromacy



Original Color
19, 20.213, 322.950

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 8.007, 322.464

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 20.213, 322.950 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(61, 38, 64)` looks like.

```
.text, #text, p{  
    color:rgb(61, 38, 64)  
}
```

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(61, 38, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 38, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 20.213, 322.950 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(61, 38, 64) }
```

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

```
.border{ border-color:rgb(61, 38, 64) }
```

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

Here you see how a box with a 4 pixel rgb(61, 38, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 38, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 38, 64);  
box-shadow:4px 4px 4px 4px rgb(61, 38, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 20.213, 322.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 38, 64) }
```

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

```
.background{ background-color: rgb(61, 38,  
64) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor