

Converting Colors

CIELCh(19, 31.143, 322.388)

Have a look what the booklet for
CIELCh(19, 31.143, 322.388)
contains.

CIELCh(19, 31.214, 322.720)	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, 31.214, 322.720)

Conversions

Conversions Part 1

Format	Color
Hex	44204A
RGB	68, 32, 74
RGB Percent	27%, 13%, 29%
CMY	0.7337, 0.8749, 0.7102
CMYK	0.08, 0.57, 0.00, 0.71
HSL	291°, 40%, 21%
HSV	291°, 57%, 29%
XYZ	4.1241, 2.7468, 6.7747
YIQ	47.5520, 7.9740, 20.6940

Conversions

Conversions Part 2

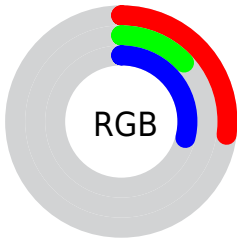
Format	Color
R_{YB}	68, 32, 74
Decimal	4464714
CIE _{Lab}	19.00, 24.84, -18.91
CIE _{LCh}	19, 31.214, 322.720
Yxy	2.7468, 0.3022, 0.2013
Android (android.graphics.Color)	4282654794 (0xFF44204A)
YUV	47.5520, 13.0389, 17.9329
Hunter-Lab	16.5735, 15.4140, -12.6344

Details

The CIELCh color **19, 31.214, 322.720** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **28, 30.876, 137.221**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 31.137, 322.387**, and **3, 19.540, 319.464** is the 20% darker color. If you saturate the color by 10%, you get **17, 35.998, 322.984**, and if you desaturate by 10%, it is **21, 26.006, 322.388**.

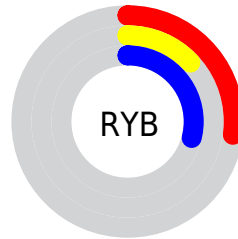
Distribution



Red (27%)

Green (13%)

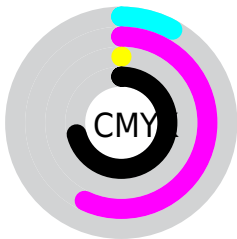
Blue (29%)



Red (27%)

Yellow (13%)

Blue (29%)

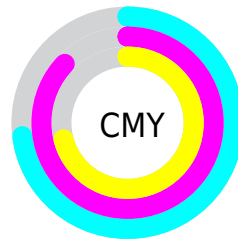


Cyan (8%)

Magenta (57%)

Yellow (0%)

Black (71%)



Cyan (73%)


Magenta (87%)


Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 31.214, 322.720 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, 31.214, 322.720 by changing the saturation by 10% instead.

 19, 31.214,
322.720


 19, 31.214,
322.720


 100, 31.214,
322.720


 9, 31.214, 322.720


 39, 31.214,
322.720

 0, 31.214, 322.720

 49, 31.214,
322.720


 59, 31.214,
322.720


 69, 31.214,
322.720


 79, 31.214,
322.720

 89, 31.214,


322.720


 99, 31.214,
322.720


 19, 31.214,
322.720


 19, 31.214,
322.720


 17, 35.998,
322.984


 21, 26.006,
322.388

 16, 40.169,
323.153


 23, 20.543,
322.008

 15, 43.531,
323.202

 25, 14.955,
321.601

 13, 46.641,
323.233

 27, 9.339, 321.179

 13, 47.703,
323.261

 30, 3.762, 320.743

 32, 1.731, 140.425

■ 35, 7.110, 139.981

■ 37, 12.362,
139.595

■ 39, 17.476,
139.235

Harmonies

Complementary

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



19, 31.214, 322.720



28, 30.876, 137.221

Rectangle

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



19, 31.214, 322.720



19, 31.214, 12.720



19, 31.214, 142.720



19, 31.214, 192.720

Sweetspot

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



19, 31.213, 322.720



36, 11.818, 321.215



16, 24.876, 291.540



17, 7.801, 321.249



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



19, 31.213, 322.720



23, 45.387, 323.062



19, 25.345, 340.715



13, 2.989, 320.821



19, 58.535, 323.057



48, 107.050, 322.686

Inverse Universe

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



18, 21.347, 14.769



23, 32.246, 18.112



28, 24.964, 151.388



13, 1.831, 8.282



19, 46.574, 29.499



48, 89.034, 34.094

Previews

White Background



This preview shows how the CIE LCh color 19, 31.214, 322.720 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, 31.214, 322.720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

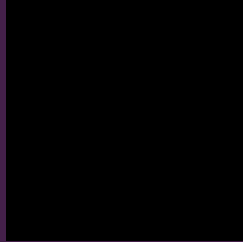
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 31.214, 322.720

Background



This preview shows how black text looks on a background with the CIELCh color 19, 31.214, 322.720.



This preview shows how white text looks on a background with the CIELCh color 19, 31.214, 322.720.

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, 31.214, 322.720

Protanopia

19, 28.172, 284.836

Deuteranopia

19, 16.753, 279.058



Tritanopia
19, 12.060, 12.722

Trichromacy



Original Color
19, 31.214, 322.720

Protanomaly
19, 28.116, 296.587

Deuteranomaly
19, 20.731, 300.189

Tritanomaly
19, 17.101, 341.502

Monochromacy



Original Color
19, 31.214, 322.720

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 11.834, 321.816

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 31.214, 322.720 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(68, 32, 74)` looks like.

```
.text, #text, p{  
    color:rgb(68, 32, 74)  
}
```

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(68, 32, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 32, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 31.214, 322.720 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(68, 32, 74) }
```

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

```
.border{ border-color:rgb(68, 32, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 32, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 32, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 32, 74);  
box-shadow:4px 4px 4px 4px rgb(68, 32, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 31.214, 322.720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 32, 74) }
```

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

```
.background{ background-color: rgb(68, 32,  
74) }
```

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