

Converting Colors

CIELCh(11, 68.134, 3.288)

Have a look what the booklet for
CIELCh(11, 68.134, 3.288) contains.

CIELCh(19, 44.273, 20.401)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(19, 44.273, 20.401)

Conversions

Conversions Part 1

Format	Color
Hex	64001A
RGB	100, 0, 26
RGB Percent	39%, 0%, 10%
CMY	0.6085, 1.0000, 0.8973
CMYK	0.00, 1.00, 0.74, 0.61
HSL	344°, 100%, 20%
HSV	344°, 100%, 39%
XYZ	5.4120, 2.7468, 1.2330
YIQ	32.8640, 51.2540, 29.2860

Conversions

Conversions Part 2

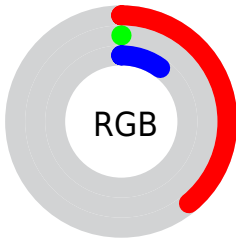
Format	Color
R_YB	100, 0, 26
Decimal	6553626
CIE Lab	19.00, 41.50, 15.43
CIE LCh	19, 44.273, 20.401
Yxy	2.7468, 0.5762, 0.2925
Android (android.graphics.Color)	4284743706 (0xFF64001A)
YUV	32.8640, -3.3840, 58.8783
Hunter-Lab	16.5735, 29.2848, 7.1907

Details

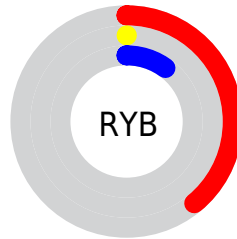
The CIELCh color **19, 44.273, 20.401** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **37, 33.208, 166.312**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 44.061, 21.018**, and **6, 25.161, 19.052** is the 20% darker color. If you saturate the color by 10%, you get **19, 43.994, 20.748**, and if you desaturate by 10%, it is **20, 40.733, 16.705**.

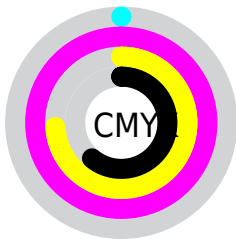
Distribution



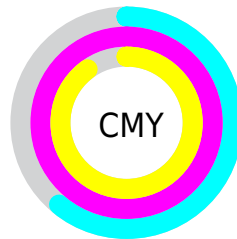
- Red (39%)
- Green (0%)
- Blue (10%)



- Red (39%)
- Yellow (0%)
- Blue (10%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (61%)



- Cyan (61%)
- Magenta (100%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 44.273, 20.401 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, 44.273, 20.401 by changing the saturation by 10% instead.

 19, 44.273, 20.401

 19, 44.273, 20.401

 100, 44.273,
20.401

 9, 44.273, 20.401

 0, 44.273, 20.401

 39, 44.273, 20.401

 49, 44.273, 20.401

 59, 44.273, 20.401

 69, 44.273, 20.401

 79, 44.273, 20.401

 89, 44.273, 20.401

 99, 44.273, 20.401

■ 19, 44.273, 20.401

■ 19, 44.273, 20.401

■ 19, 43.994, 20.748

■ 20, 40.733, 16.705

■ 21, 37.412, 12.717

■ 23, 33.449, 9.489

■ 25, 28.966, 6.902

■ 28, 24.144, 4.820

■ 30, 19.166, 3.120

■ 33, 14.179, 1.708

■ 36, 9.286, 0.509

■ 39, 4.550, 359.456

Harmonies

Complementary

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



19, 44.273, 20.401



37, 33.208, 166.312

Rectangle

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



19, 44.273, 20.401



19, 44.273, 70.401



19, 44.273, 200.401



19, 44.273, 250.401

Sweetspot

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



19, 43.994, 20.748



43, 17.645, 1.823



17, 59.680, 318.938



20, 12.188, 2.228



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



19, 43.994, 20.748



26, 53.647, 22.585



21, 45.926, 43.700



19, 2.594, 359.349



23, 48.811, 21.768



51, 86.656, 25.499

Inverse Universe

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



19, 43.994, 20.748



26, 53.647, 22.585



30, 22.364, 239.929



19, 2.594, 359.349



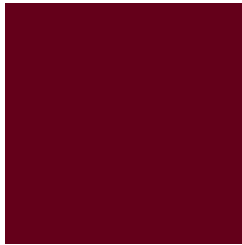
23, 48.811, 21.768



51, 86.656, 25.499

Previews

White Background



This preview shows how the CIE LCh color 19, 44.273, 20.401 looks on a white background.

Color Contrast Check

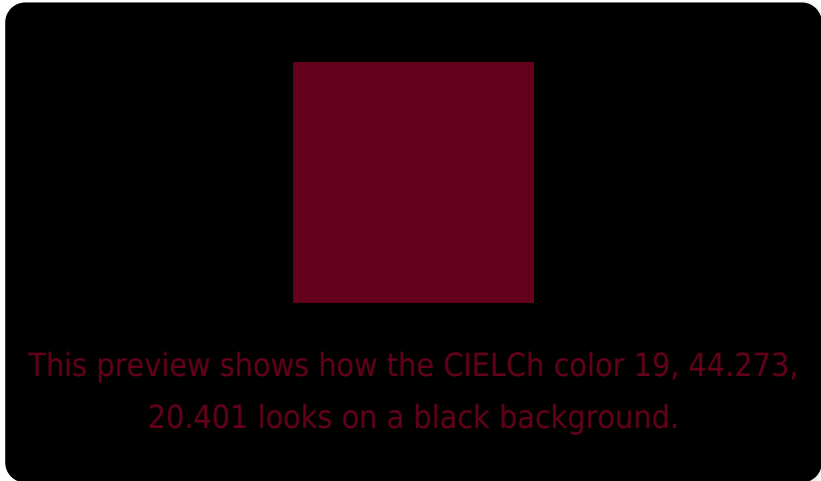
Large Text (above 18pt) WCAG AA ✓ Pass

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, 44.273, 20.401

Background



This preview shows how black text looks on a background with the CIELCh color 19, 44.273, 20.401.



This preview shows how white text looks on a background with the CIELCh color 19, 44.273, 20.401.

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, 44.090, 20.952

Protanopia

21, 8.182, 97.678

Deuteranopia

21, 19.868, 81.291



Tritanopia
20, 46.067, 35.893

Trichromacy



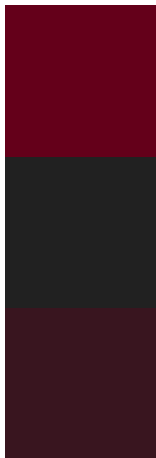
Original Color
19, 44.090, 20.952

Protanomaly
18, 20.206, 21.194

Deuteranomaly
18, 25.850, 37.189

Tritanomaly
19, 45.215, 31.508

Monochromacy



Original Color
19, 44.090, 20.952

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 19.185, 5.232

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 44.273, 20.401 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(100, 0, 26)` looks like.

```
.text, #text, p{  
    color:rgb(100, 0, 26)  
}
```

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(100, 0, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 0, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 44.273, 20.401 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(100, 0, 26) }
```

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

```
.border{ border-color:rgb(100, 0, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 0, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 0, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 0, 26);  
box-shadow:4px 4px 4px 4px rgb(100, 0, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 44.273, 20.401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 0, 26) }
```

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

```
.background{ background-color: rgb(100, 0,  
26) }
```

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