

Converting Colors

CIELCh(19, 18.841, 114.075)

Have a look what the booklet for
CIELCh(19, 18.841, 114.075)
contains.

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Color

CIELCh(19, 19.320, 115.027)

Conversions

Conversions Part 1

Format	Color
Hex	2B3114
RGB	43, 49, 20
RGB Percent	17%, 19%, 8%
CMY	0.8319, 0.8083, 0.9220
CMYK	0.12, 0.00, 0.59, 0.81
HSL	72°, 42%, 13%
HSV	72°, 59%, 19%
XYZ	2.2090, 2.7468, 1.0700
YIQ	43.9000, 5.7330, -10.2910

Conversions

Conversions Part 2

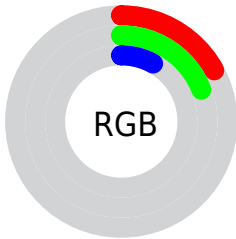
Format	Color
R_{YB}	20, 49, 26
Decimal	2830612
CIE _{Lab}	19.00, -8.17, 17.51
CIE _{LCh}	19, 19.320, 115.027
Yxy	2.7468, 0.3666, 0.4558
Android (android.graphics.Color)	4281020692 (0xFF2B3114)
YUV	43.9000, -11.7827, -0.7893
Hunter-Lab	16.5735, -5.2122, 7.7737

Details

The CIELCh color **19, 19.320, 115.027** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **8, 21.812, 302.840**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 19.440, 115.322**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 22.171, 114.665**, and if you desaturate by 10%, it is **19, 16.245, 115.524**.

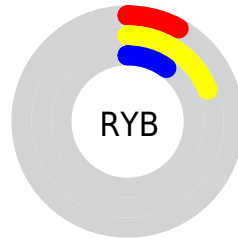
Distribution



Red (17%)

Green (19%)

Blue (8%)



Red (8%)

Yellow (19%)

Blue (10%)

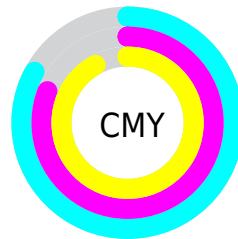


Cyan (12%)

Magenta (0%)

Yellow (59%)

Black (81%)



Cyan (83%)

Magenta (81%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 19.320, 115.027 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, 19.320, 115.027 by changing the saturation by 10% instead.

■ 19, 19.320,
115.027

■ 19, 19.320,
115.027

■ 100, 19.320,
115.027

■ 9, 19.320, 115.027

■ 39, 19.320,
115.027

■ 0, 19.320, 115.027

■ 49, 19.320,
115.027


■ 59, 19.320,
115.027


■ 69, 19.320,
115.027


■ 79, 19.320,
115.027

■ 89, 19.320,


115.027

 99, 19.320,
115.027


 19, 19.320,
115.027


 19, 19.320,
115.027

 19, 22.171,
114.665


 19, 16.245,
115.524

 19, 24.489,
114.695


 19, 13.052,
116.063

 19, 26.524,
114.895

 20, 9.782, 116.623

 18, 28.567,
115.093

 20, 6.466, 117.190

 18, 28.706,
115.107

 20, 3.123, 117.754

 20, 0.231, 298.279

■ 21, 3.585, 298.833

■ 21, 6.931, 299.344

■ 21, 10.262,
299.832

Harmonies

Complementary

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



19, 19.320, 115.027



8, 21.812, 302.840

Rectangle

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



19, 19.320, 115.027



19, 19.320, 165.027



19, 19.320, 295.027



19, 19.320, 345.027

Sweetspot

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



19, 19.320, 115.029



26, 7.531, 117.209



12, 13.970, 39.547



12, 5.288, 117.158



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



19, 19.320, 115.029



25, 28.127, 114.416



18, 21.803, 133.236



9, 1.917, 117.824



35, 46.155, 114.293



81, 88.166, 115.209

Inverse Universe

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



8, 21.812, 302.840



9, 33.163, 304.432



10, 22.592, 317.785



8, 1.946, 298.677



8, 60.729, 307.869



28, 116.603, 307.247

Previews

White Background



This preview shows how the CIELCh color 19, 19.320, 115.027 looks on a white background.

Color Contrast Check

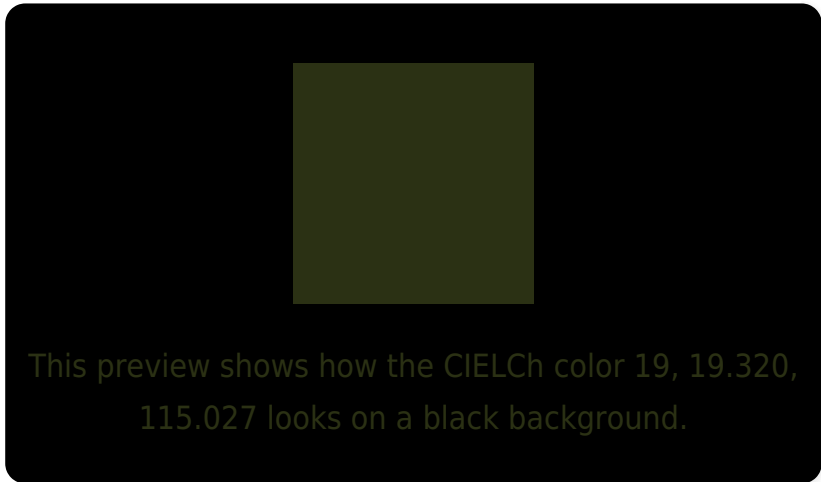
Large Text (above 18pt) WCAG AA ✓ Pass

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

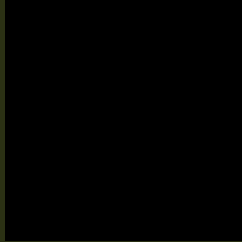
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

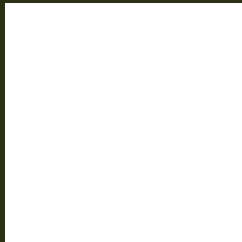
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 19.320, 115.027

Background



This preview shows how black text looks on a background with the CIELCh color 19, 19.320, 115.027.



This preview shows how white text looks on a background with the CIELCh color 19, 19.320, 115.027.

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

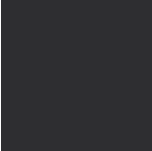
19, 19.320, 115.027

Protanopia

19, 18.166, 96.935

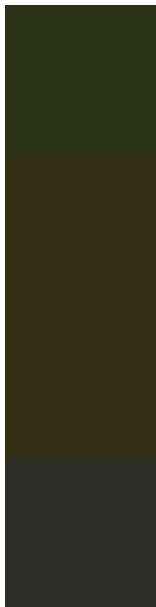
Deuteranopia

19, 17.244, 81.555



Tritanopia
19, 2.059, 290.693

Trichromacy



Original Color
19, 19.320, 115.027

Protanomaly
19, 18.511, 103.853

Deuteranomaly
19, 17.045, 94.856

Tritanomaly
19, 6.211, 117.820

Monochromacy



Original Color
19, 19.320, 115.027

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 7.573, 115.916

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 19.320, 115.027 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(43, 49, 20)` looks like.

```
.text, #text, p{  
    color:rgb(43, 49, 20)  
}
```

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(43, 49, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 49, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 19.320, 115.027 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(43, 49, 20) }
```

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

```
.border{ border-color:rgb(43, 49, 20) }
```

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

Here you see how a box with a 4 pixel rgb(43, 49, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 49, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 49, 20);  
box-shadow:4px 4px 4px 4px rgb(43, 49, 20)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 19.320, 115.027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 49, 20) }
```

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

```
.background{ background-color: rgb(43, 49,  
20) }
```

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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