

Converting Colors

CIELCh(19, 24.084, 124.514)

Have a look what the booklet for
CIELCh(19, 24.084, 124.514)
contains.

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Color

CIELCh(19, 24.063, 124.966)

Conversions

Conversions Part 1

Format	Color
Hex	233310
RGB	35, 51, 16
RGB Percent	14%, 20%, 6%
CMY	0.8633, 0.8006, 0.9378
CMYK	0.31, 0.00, 0.69, 0.80
HSL	87°, 52%, 13%
HSV	87°, 69%, 20%
XYZ	1.9583, 2.7468, 0.9116
YIQ	42.2260, 1.6990, -14.2770

Conversions

Conversions Part 2

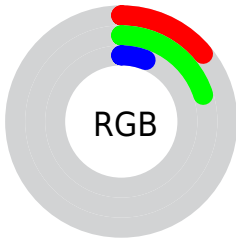
Format	Color
RYB	16, 51, 32
Decimal	2306832
CIELab	19.00, -13.79, 19.72
CIELCh	19, 24.063, 124.966
Yxy	2.7468, 0.3487, 0.4890
Android (android.graphics.Color)	4280496912 (0xFF233310)
YUV	42.2260, -12.9294, -6.3372
Hunter-Lab	16.5735, -7.9127, 8.3403

Details

The CIELCh color **19, 24.063, 124.966** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **8, 26.521, 310.718**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 23.892, 124.455**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 26.784, 125.160**, and if you desaturate by 10%, it is **19, 20.860, 125.237**.

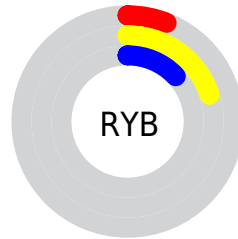
Distribution



Red (14%)

Green (20%)

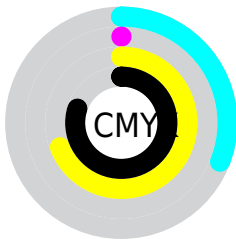
Blue (6%)



Red (6%)

Yellow (20%)

Blue (13%)

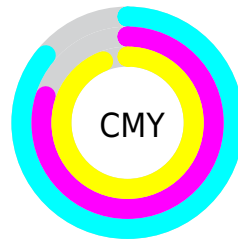


Cyan (31%)

Magenta (0%)

Yellow (69%)

Black (80%)



Cyan (86%)

Magenta (80%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 24.063, 124.966 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, 24.063, 124.966 by changing the saturation by 10% instead.

■ 19, 24.063,
124.966

■ 19, 24.063,
124.966

■ 100, 24.063,
124.966

■ 9, 24.063, 124.966

■ 39, 24.063,
124.966

■ 0, 24.063, 124.966

■ 49, 24.063,
124.966

■ 59, 24.063,
124.966

■ 69, 24.063,
124.966

■ 79, 24.063,
124.966


■ 89, 24.063,


124.966


 99, 24.063,
124.966


 19, 24.063,
124.966


 19, 24.063,
124.966


 19, 26.784,
125.160


 19, 20.860,
125.237


 19, 29.145,
125.616

 20, 17.473,
125.600

 18, 31.512,
125.996

 20, 13.973,
126.000

 18, 31.793,
126.036

 20, 10.405,
126.415

 20, 6.801, 126.829

■ 21, 3.183, 127.234

■ 21, 0.430, 307.508

■ 22, 4.026, 307.947

■ 22, 7.594, 308.284

Harmonies

Complementary

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



19, 24.063, 124.966



8, 26.521, 310.718

Rectangle

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



19, 24.063, 124.966



19, 24.063, 174.966



19, 24.063, 304.966



19, 24.063, 354.966

Sweetspot

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



19, 24.063, 124.967



27, 9.480, 126.693



14, 15.800, 62.724



12, 6.276, 126.681



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, 24.063, 124.967



25, 34.758, 124.790



18, 27.675, 138.648



9, 1.997, 127.276



34, 49.480, 125.345



78, 95.302, 126.729

Inverse Universe

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



8, 26.521, 310.718



9, 39.420, 311.379



11, 27.593, 325.807



8, 2.022, 307.853



11, 58.072, 311.790



33, 111.528, 310.849

Previews

White Background



This preview shows how the CIELCh color 19, 24.063, 124.966 looks on a white background.

Color Contrast Check

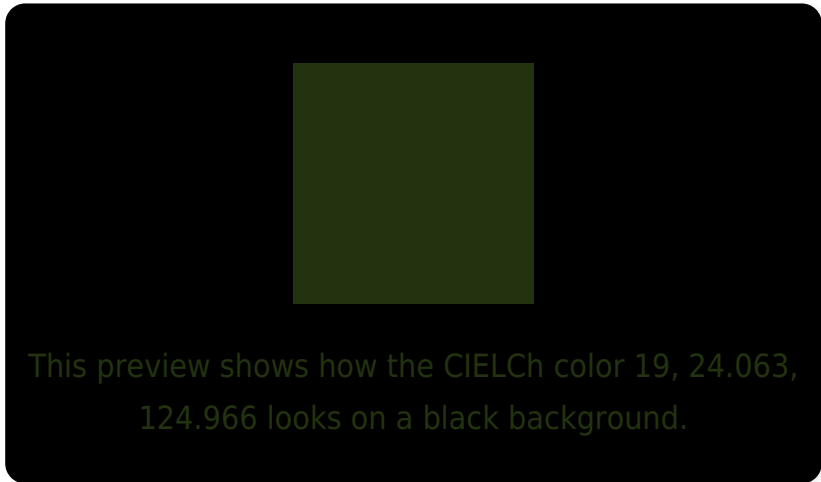
Large Text (above 18pt) WCAG AA ✓ Pass

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, 24.063, 124.966

Background



This preview shows how black text looks on a background with the CIELCh color 19, 24.063, 124.966.



This preview shows how white text looks on a background with the CIELCh color 19, 24.063, 124.966.

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

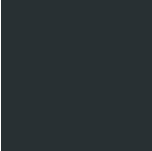
19, 24.063, 124.966

Protanopia

19, 20.553, 95.738

Deuteranopia

19, 19.008, 83.252



Tritanopia
19, 4.038, 229.523

Trichromacy



Original Color
19, 24.063, 124.966

Protanomaly
19, 21.371, 107.853

Deuteranomaly
19, 19.210, 100.393

Tritanomaly
19, 9.212, 143.268

Monochromacy



Original Color
19, 24.063, 124.966

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 9.417, 126.606

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 24.063, 124.966 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(35, 51, 16)` looks like.

```
.text, #text, p{  
    color:rgb(35, 51, 16)  
}
```

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(35, 51, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 51, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 24.063, 124.966 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(35, 51, 16) }
```

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

```
.border{ border-color:rgb(35, 51, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 51, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 51, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 51, 16);  
box-shadow:4px 4px 4px 4px rgb(35, 51, 16)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 24.063, 124.966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 51, 16) }
```

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

```
.background{ background-color: rgb(35, 51,  
16) }
```

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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