

Converting Colors

CIELCh(19, 24.592, 120.777)

Have a look what the booklet for
CIELCh(19, 24.592, 120.777)
contains.

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Color

CIELCh(19, 24.495, 120.895)

Conversions

Conversions Part 1

Format	Color
Hex	25320D
RGB	37, 50, 13
RGB Percent	15%, 20%, 5%
CMY	0.8534, 0.8023, 0.9472
CMYK	0.26, 0.00, 0.73, 0.80
HSL	81°, 58%, 13%
HSV	81°, 73%, 20%
XYZ	2.0107, 2.7468, 0.8207
YIQ	41.8950, 4.1290, -14.2630

Conversions

Conversions Part 2

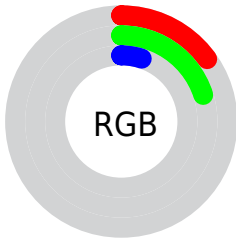
Format	Color
R_{YB}	13, 50, 26
Decimal	2437645
CIE _{Lab}	19.00, -12.58, 21.02
CIE _{LCh}	19, 24.495, 120.895
Yxy	2.7468, 0.3605, 0.4924
Android (android.graphics.Color)	4280627725 (0xFF25320D)
YUV	41.8950, -14.2452, -4.2929
Hunter-Lab	16.5735, -7.3479, 8.6654

Details

The CIELCh color **19, 24.495, 120.895** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **7, 27.780, 307.726**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 24.078, 120.967**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 26.847, 121.219**, and if you desaturate by 10%, it is **19, 21.602, 121.029**.

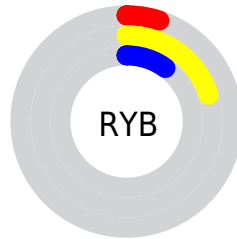
Distribution



Red (15%)

Green (20%)

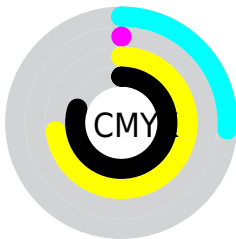
Blue (5%)



Red (5%)

Yellow (20%)

Blue (10%)

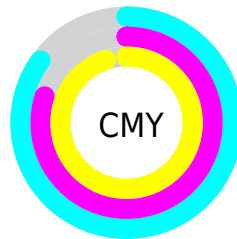


Cyan (26%)

Magenta (0%)

Yellow (73%)

Black (80%)



Cyan (85%)

Magenta (80%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 24.495, 120.895 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, 24.495, 120.895 by changing the saturation by 10% instead.

 19, 24.495,
120.895

 19, 24.495,
120.895


 100, 24.495,
120.895


 9, 24.495, 120.895


 39, 24.495,
120.895

 0, 24.495, 120.895

 49, 24.495,
120.895


 59, 24.495,
120.895


 69, 24.495,
120.895


 79, 24.495,
120.895


 89, 24.495,


120.895


 99, 24.495,
120.895


 19, 24.495,
120.895


 19, 24.495,
120.895


 19, 26.847,
121.219


 19, 21.602,
121.029

 19, 29.079,
121.598

 19, 18.407,
121.391

 19, 30.583,
121.829

 20, 15.073,
121.810

 20, 11.650,
122.259

 20, 8.174, 122.717

■ 21, 4.669, 123.173

■ 21, 1.154, 123.631

■ 21, 2.357, 304.020

■ 22, 5.853, 304.428

Harmonies

Complementary

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



19, 24.495, 120.895



7, 27.780, 307.726

Rectangle

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



19, 24.495, 120.895



19, 24.495, 170.895



19, 24.495, 300.895



19, 24.495, 350.895

Sweetspot

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



19, 24.495, 120.896



27, 9.716, 122.721



12, 16.693, 51.516



12, 6.386, 122.714



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, 24.495, 120.896



25, 35.215, 120.712



18, 28.152, 136.508



9, 1.957, 123.417



34, 47.927, 121.182



79, 92.021, 122.471

Inverse Universe

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



7, 27.780, 307.726



7, 41.837, 309.022



10, 28.539, 322.792



8, 1.984, 304.086



9, 59.273, 309.826



31, 113.931, 308.966

Previews

White Background



This preview shows how the CIE LCh color 19, 24.495, 120.895 looks on a white background.

Color Contrast Check

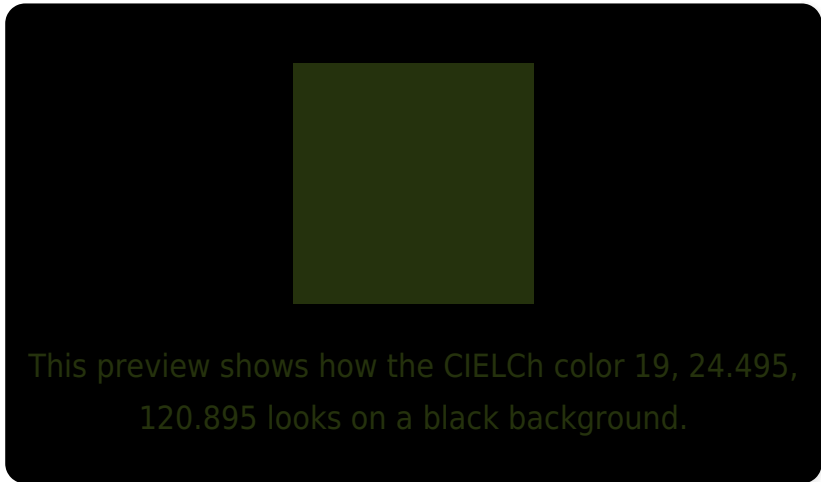
Large Text (above 18pt) WCAG AA ✓ Pass

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

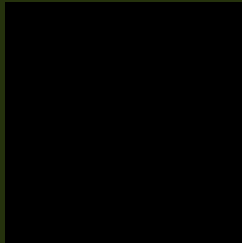
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

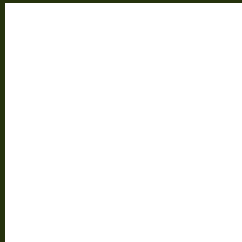
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 24.495, 120.895

Background



This preview shows how black text looks on a background with the CIELCh color 19, 24.495, 120.895.



This preview shows how white text looks on a background with the CIELCh color 19, 24.495, 120.895.

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

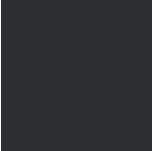
19, 24.495, 120.895

Protanopia

19, 22.009, 96.012

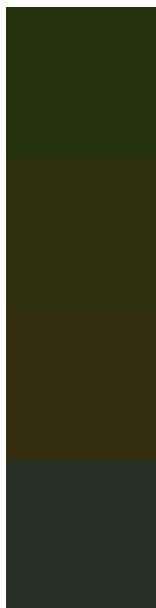
Deuteranopia

19, 20.355, 82.693



Tritanopia
19, 3.489, 251.104

Trichromacy



Original Color
19, 24.495, 120.895

Protanomaly
19, 22.346, 106.134

Deuteranomaly
19, 20.455, 97.279

Tritanomaly
19, 8.477, 135.726

Monochromacy



Original Color
19, 24.495, 120.895

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 9.259, 123.737

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 24.495, 120.895 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(37, 50, 13)` looks like.

```
.text, #text, p{  
    color:rgb(37, 50, 13)  
}
```

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(37, 50, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 50, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 24.495, 120.895 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(37, 50, 13) }
```

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

```
.border{ border-color:rgb(37, 50, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 50, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 50, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 50, 13);  
box-shadow:4px 4px 4px 4px rgb(37, 50, 13)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 24.495, 120.895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 50, 13) }
```

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

```
.background{ background-color: rgb(37, 50,  
13) }
```

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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