

Converting Colors

CIELCh(24, 27.630, 119.800)

Have a look what the booklet for
CIELCh(24, 27.630, 119.800)
contains.

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Color

CIELCh(24, 27.577, 119.678)

Conversions

Conversions Part 1

Format	Color
Hex	303E13
RGB	48, 62, 19
RGB Percent	19%, 24%, 7%
CMY	0.8124, 0.7574, 0.9260
CMYK	0.23, 0.00, 0.70, 0.76
HSL	80°, 53%, 16%
HSV	80°, 70%, 24%
XYZ	3.0426, 4.1002, 1.2407
YIQ	52.9120, 5.4590, -16.3410

Conversions

Conversions Part 2

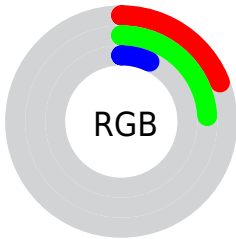
Format	Color
R_{YB}	19, 62, 33
Decimal	3161619
CIE Lab	24.00, -13.65, 23.96
CIE LCh	24, 27.577, 119.678
Yxy	4.1002, 0.3629, 0.4891
Android (android.graphics.Color)	4281351699 (0xFF303E13)
YUV	52.9120, -16.7186, -4.3078
Hunter-Lab	20.2490, -8.6141, 10.5413

Details

The CIELCh color $24, 27.577, 119.678$ is a dark color, and the websafe version is hex 333300 . A complement of this color would be $10, 31.553, 307.243$, and the grayscale version is $22, 0.004, 296.813$.

A 20% lighter version of the original color is $44, 27.530, 119.698$, and $5, 12.165, 144.443$ is the 20% darker color. If you saturate the color by 10%, you get $24, 30.773, 119.531$, and if you desaturate by 10%, it is $24, 24.026, 119.984$.

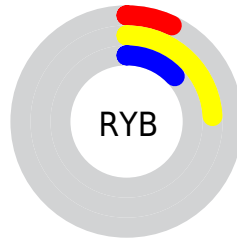
Distribution



Red (19%)

Green (24%)

Blue (7%)



Red (7%)

Yellow (24%)

Blue (13%)

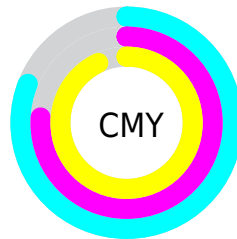


Cyan (23%)

Magenta (0%)

Yellow (70%)

Black (76%)



Cyan (81%)


Magenta (76%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 27.577, 119.678 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 24, 27.577, 119.678 by changing the saturation by 10% instead.

 24, 27.577,
119.678

 24, 27.577,
119.678

 100, 27.577,
119.678


 14, 27.577,
119.678


 44, 27.577,
119.678


 4, 27.577, 119.678

 54, 27.577,
119.678

 0, 27.577, 119.678

 64, 27.577,
119.678

 74, 27.577,
119.678

 84, 27.577,
119.678

 94, 27.577,

119.678

■ 24, 27.577,
119.678

■ 24, 27.577,
119.678

■ 24, 30.773,
119.531

■ 24, 24.026,
119.984

■ 24, 33.508,
119.626

■ 25, 20.230,
120.387

■ 23, 36.179,
119.756

■ 25, 16.272,
120.847

■ 23, 36.310,
119.762

■ 25, 12.214,
121.334

■ 25, 8.096, 121.829

■ 26, 3.948, 122.320

■ 26, 0.207, 302.664

■ 27, 4.354, 303.231

■ 27, 8.481, 303.661

Harmonies

Complementary

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



24, 27.577, 119.678



10, 31.553, 307.243

Rectangle

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



24, 27.577, 119.678



24, 27.577, 169.678



24, 27.577, 299.678



24, 27.577, 349.678

Sweetspot

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



24, 27.577, 119.680



34, 10.971, 121.707



16, 19.751, 50.303



16, 7.297, 121.665



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



24, 27.577, 119.680



32, 39.493, 119.563



23, 31.593, 135.595



11, 2.283, 122.373



36, 49.464, 120.122



81, 92.855, 121.277

Inverse Universe

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



10, 31.553, 307.243



11, 47.154, 308.349



13, 32.111, 321.734



10, 2.318, 303.166



10, 61.963, 309.327



31, 116.531, 308.563

Previews

White Background



This preview shows how the CIELCh color 24, 27.577, 119.678 looks on a white background.

Color Contrast Check

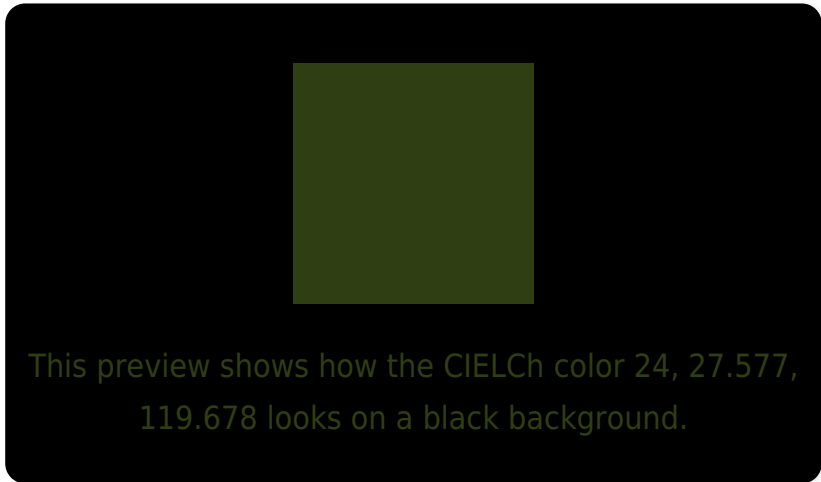
Large Text (above 18pt) WCAG AA ✓ Pass

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

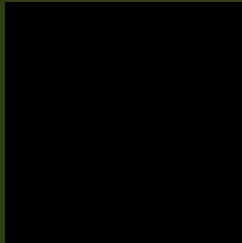
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 27.577, 119.678

Background



This preview shows how black text looks on a background with the CIELCh color 24, 27.577, 119.678.



This preview shows how white text looks on a background with the CIELCh color 24, 27.577, 119.678.

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

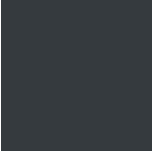
24, 27.577, 119.678

Protanopia

24, 24.847, 95.994

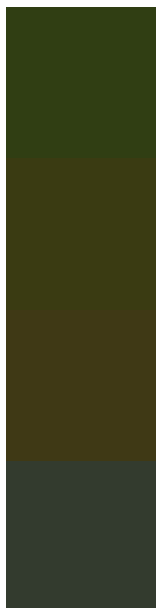
Deuteranopia

24, 22.854, 81.667



Tritanopia
24, 3.389, 250.807

Trichromacy



Original Color
24, 27.577, 119.678

Protanomaly
24, 25.538, 105.832

Deuteranomaly
24, 23.118, 97.108

Tritanomaly
24, 9.389, 132.166

Monochromacy



Original Color
24, 27.577, 119.678

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 10.224, 121.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 27.577, 119.678 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(48, 62, 19)` looks like.

```
.text, #text, p{  
    color:rgb(48, 62, 19)  
}
```

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(48, 62, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 62, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 27.577, 119.678 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(48, 62, 19) }
```

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

```
.border{ border-color:rgb(48, 62, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 62, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 62, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 62, 19);  
box-shadow:4px 4px 4px 4px rgb(48, 62, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 27.577, 119.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 62, 19) }
```

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

```
.background{ background-color: rgb(48, 62,  
19) }
```

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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