

Converting Colors

CIELCh(24, 27.005, 118.286)

Have a look what the booklet for
CIELCh(24, 27.005, 118.286)
contains.

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Color

CIELCh(24, 27.440, 118.694)

Conversions

Conversions Part 1

Format	Color
Hex	313E13
RGB	49, 62, 19
RGB Percent	19%, 24%, 7%
CMY	0.8091, 0.7581, 0.9267
CMYK	0.21, 0.00, 0.70, 0.76
HSL	78°, 53%, 16%
HSV	78°, 70%, 24%
XYZ	3.0703, 4.1002, 1.2316
YIQ	53.2110, 6.0550, -16.1290

Conversions

Conversions Part 2

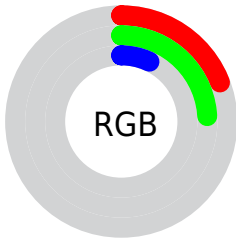
Format	Color
R_{YB}	19, 62, 32
Decimal	3227155
CIE Lab	24.00, -13.17, 24.07
CIE LCh	24, 27.440, 118.694
Yxy	4.1002, 0.3654, 0.4880
Android (android.graphics.Color)	4281417235 (0xFF313E13)
YUV	53.2110, -16.8660, -3.6930
Hunter-Lab	20.2490, -8.3705, 10.5681

Details

The CIELCh color $24, 27.440, 118.694$ is a dark color, and the websafe version is hex 333300 . A complement of this color would be $10, 31.573, 306.646$, and the grayscale version is $22, 0.004, 296.813$.

A 20% lighter version of the original color is $44, 27.422, 118.802$, and $5, 12.165, 144.443$ is the 20% darker color. If you saturate the color by 10%, you get $24, 30.596, 118.532$, and if you desaturate by 10%, it is $24, 23.926, 119.014$.

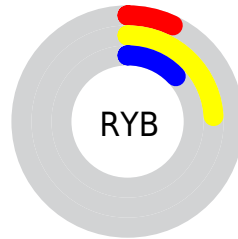
Distribution



Red (19%)

Green (24%)

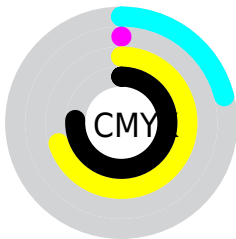
Blue (7%)



Red (7%)

Yellow (24%)

Blue (13%)

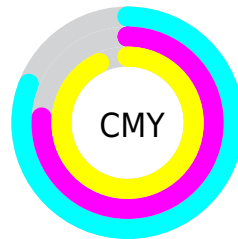


Cyan (21%)

Magenta (0%)

Yellow (70%)

Black (76%)



Cyan (81%)

Magenta (76%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 27.440, 118.694 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, 27.440, 118.694 by changing the saturation by 10% instead.

 24, 27.440,
118.694

 24, 27.440,
118.694

 100, 27.440,
118.694


 14, 27.440,
118.694


 44, 27.440,
118.694

 4, 27.440, 118.694

 54, 27.440,
118.694

 0, 27.440, 118.694

 64, 27.440,
118.694

 74, 27.440,
118.694

 84, 27.440,
118.694

 94, 27.440,

118.694

■ 24, 27.440,
118.694

■ 24, 27.440,
118.694

■ 24, 30.596,
118.532

■ 24, 23.926,
119.014

■ 24, 33.293,
118.610

■ 24, 20.164,
119.430

■ 23, 35.933,
118.723

■ 25, 16.240,
119.904

■ 23, 36.011,
118.726

■ 25, 12.212,
120.407

■ 25, 8.123, 120.918

■ 26, 4.003, 121.426

■ 26, 0.127, 301.741

■ 26, 4.251, 302.375

■ 27, 8.357, 302.823

Harmonies

Complementary

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



24, 27.440, 118.694



10, 31.573, 306.646

Rectangle

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



24, 27.440, 118.694



24, 27.440, 168.694



24, 27.440, 298.694



24, 27.440, 348.694

Sweetspot

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



24, 27.440, 118.696



33, 10.644, 120.806



16, 19.879, 48.777



16, 7.269, 120.758



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, 27.440, 118.696



31, 38.621, 118.558



23, 31.447, 135.202



11, 2.275, 121.491



36, 49.142, 119.064



81, 92.179, 120.174

Inverse Universe

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



10, 31.573, 306.646



10, 46.543, 307.892



13, 32.065, 321.217



10, 2.310, 302.316



10, 62.221, 308.985



31, 117.005, 308.252

Previews

White Background



This preview shows how the CIE LCh color 24, 27.440, 118.694 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



This preview shows how the CIE LCh color 24, 27.440, 118.694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

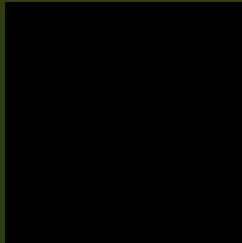
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 27.440, 118.694

Background



This preview shows how black text looks on a background with the CIELCh color 24, 27.440, 118.694.



This preview shows how white text looks on a background with the CIELCh color 24, 27.440, 118.694.

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, 27.440, 118.694

Protanopia

24, 24.847, 95.994

Deuteranopia

24, 23.399, 82.066



Tritanopia
24, 3.141, 256.950

Trichromacy



Original Color

24, 27.440, 118.694

Protanomaly

24, 25.538, 105.832

Deuteranomaly

24, 23.674, 97.157

Tritanomaly

24, 9.200, 129.561

Monochromacy



Original Color

24, 27.440, 118.694

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, 27.440, 118.694 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(49, 62, 19)` looks like.

```
.text, #text, p{  
    color:rgb(49, 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(49, 62, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 62, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 27.440, 118.694 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(49, 62, 19) }
```

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

```
.border{ border-color:rgb(49, 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(49, 62, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 62, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 62, 19);  
box-shadow:4px 4px 4px 4px rgb(49, 62, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 27.440, 118.694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 62, 19) }
```

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

```
.background{ background-color: rgb(49, 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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