

Converting Colors

CIELCh(24, 28.010, 127.544)

Have a look what the booklet for
CIELCh(24, 28.010, 127.544)
contains.

CIELCh(24, 27.897, 127.793)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(24, 27.897, 127.793)

Conversions

Conversions Part 1

Format	Color
Hex	293F16
RGB	41, 63, 22
RGB Percent	16%, 25%, 9%
CMY	0.8388, 0.7525, 0.9133
CMYK	0.35, 0.00, 0.65, 0.75
HSL	92°, 48%, 17%
HSV	92°, 65%, 25%
XYZ	2.8490, 4.1002, 1.4059
YIQ	51.7480, 0.0490, -17.4150

Conversions

Conversions Part 2

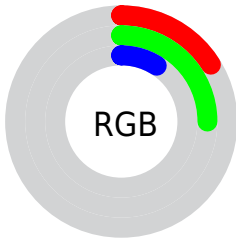
Format	Color
R_{YB}	22, 63, 44
Decimal	2703126
CIE _{Lab}	24.00, -17.10, 22.05
CIE _{LCh}	24, 27.897, 127.793
Yxy	4.1002, 0.3410, 0.4907
Android (android.graphics.Color)	4280893206 (0xFF293F16)
YUV	51.7480, -14.6658, -9.4260
Hunter-Lab	20.2490, -10.3208, 10.0577

Details

The CIELCh color $24, 27.897, 127.793$ is a dark color, and the websafe version is hex 333300 . A complement of this color would be $12, 30.115, 313.028$, and the grayscale version is $22, 0.004, 296.813$.

A 20% lighter version of the original color is $44, 28.221, 127.665$, and $5, 13.016, 144.443$ is the 20% darker color. If you saturate the color by 10%, you get $24, 31.573, 127.587$, and if you desaturate by 10%, it is $24, 23.914, 128.122$.

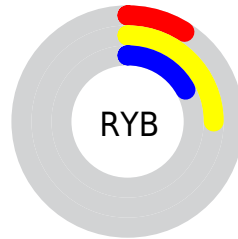
Distribution



Red (16%)

Green (25%)

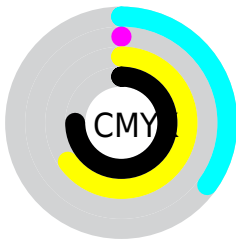
Blue (9%)



Red (9%)

Yellow (25%)

Blue (17%)

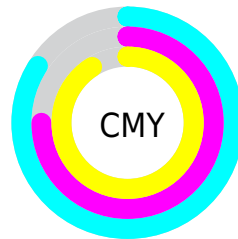


Cyan (35%)

Magenta (0%)

Yellow (65%)

Black (75%)



Cyan (84%)


Magenta (75%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 27.897, 127.793 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, 27.897, 127.793 by changing the saturation by 10% instead.

 24, 27.897,
127.793


 24, 27.897,
127.793

 100, 27.897,
127.793


 14, 27.897,
127.793


 44, 27.897,
127.793


 4, 27.897, 127.793

 54, 27.897,
127.793

 0, 27.897, 127.793

 64, 27.897,
127.793

 74, 27.897,
127.793

 84, 27.897,
127.793

 94, 27.897,

127.793

■ 24, 27.897,
127.793

■ 24, 27.897,
127.793

■ 24, 31.573,
127.587

■ 24, 23.914,
128.122

■ 23, 34.794,
127.593

■ 25, 19.727,
128.516

■ 23, 37.732,
127.723

■ 25, 15.412,
128.936

■ 23, 39.207,
127.756

■ 26, 11.025,
129.360

■ 26, 6.606, 129.773

■ 26, 2.186, 130.178

■ 27, 2.214, 310.487

■ 28, 6.578, 310.836

■ 28, 10.893,
311.142

Harmonies

Complementary

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



24, 27.897, 127.793



12, 30.115, 313.028

Rectangle

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



24, 27.897, 127.793



24, 27.897, 177.793



24, 27.897, 307.793



24, 27.897, 357.793

Sweetspot

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



24, 27.897, 127.794



34, 10.390, 129.575



20, 18.469, 71.507



16, 7.029, 129.529



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, 27.897, 127.794



31, 40.014, 127.551



23, 31.162, 140.423



11, 2.383, 130.038



35, 52.754, 128.128



79, 99.539, 129.393

Inverse Universe

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



12, 30.115, 313.028



14, 44.022, 313.471



15, 30.844, 328.333



10, 2.409, 310.633



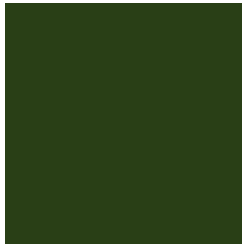
13, 59.446, 313.500



36, 111.576, 312.626

Previews

White Background



This preview shows how the CIE LCh color 24, 27.897, 127.793 looks on a white background.

Color Contrast Check

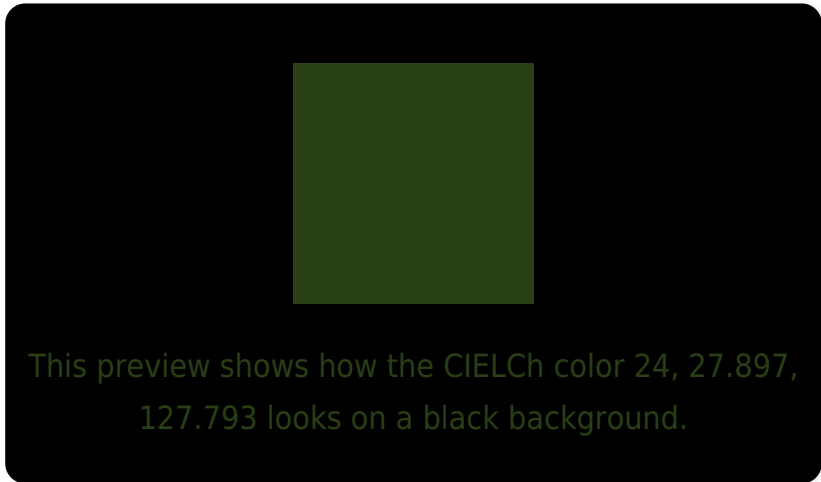
Large Text (above 18pt) WCAG AA ✓ Pass

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

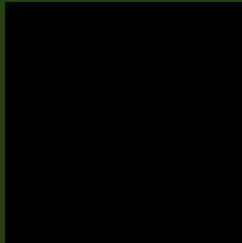
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 27.897, 127.793

Background



This preview shows how black text looks on a background with the CIELCh color 24, 27.897, 127.793.



This preview shows how white text looks on a background with the CIELCh color 24, 27.897, 127.793.

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

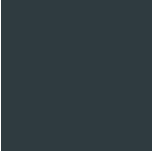
24, 27.897, 127.793

Protanopia

24, 23.765, 95.869

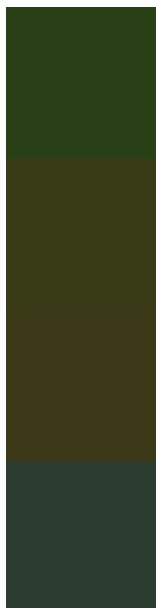
Deuteranopia

24, 21.188, 80.280



Tritanopia
24, 5.926, 232.888

Trichromacy



Original Color
24, 27.897, 127.793

Protanomaly
24, 23.970, 108.765

Deuteranomaly
24, 21.201, 101.184

Tritanomaly
24, 10.061, 151.374

Monochromacy



Original Color
24, 27.897, 127.793

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 10.689, 129.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 27.897, 127.793 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(41, 63, 22)` looks like.

```
.text, #text, p{  
    color:rgb(41, 63, 22)  
}
```

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(41, 63, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 63, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 27.897, 127.793 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(41, 63, 22) }
```

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

```
.border{ border-color:rgb(41, 63, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 63, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 63, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 63, 22);  
box-shadow:4px 4px 4px 4px rgb(41, 63, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 27.897, 127.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 63, 22) }
```

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

```
.background{ background-color: rgb(41, 63,  
22) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor