

Converting Colors

CIELCh(24, 12.011, 147.647)

Have a look what the booklet for
CIELCh(24, 12.011, 147.647)
contains.

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Color

CIELCh(24, 12.157, 147.996)

Conversions

Conversions Part 1

Format	Color
Hex	2C3D2F
RGB	44, 61, 47
RGB Percent	17%, 24%, 18%
CMY	0.8268, 0.7601, 0.8151
CMYK	0.28, 0.00, 0.23, 0.76
HSL	131°, 16%, 21%
HSV	131°, 28%, 24%
XYZ	3.2390, 4.1002, 3.3264
YIQ	54.3210, -5.6380, -7.9580

Conversions

Conversions Part 2

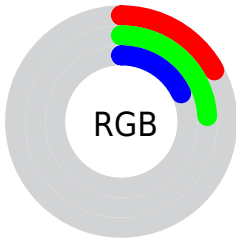
Format	Color
R_{YB}	44, 58, 61
Decimal	2899247
CIE Lab	24.00, -10.31, 6.44
CIE LCh	24, 12.157, 147.996
Yxy	4.1002, 0.3037, 0.3844
Android (android.graphics.Color)	4281089327 (0xFF2C3D2F)
YUV	54.3210, -3.6093, -9.0515
Hunter-Lab	20.2490, -6.8829, 4.4343

Details

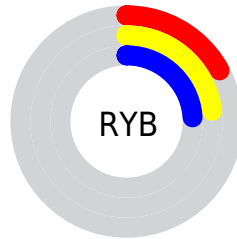
The CIELCh color **24, 12.157, 147.996** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **21, 12.199, 331.209**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 11.743, 148.357**, and **4, 10.564, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 16.500, 147.199**, and if you desaturate by 10%, it is **25, 7.772, 148.698**.

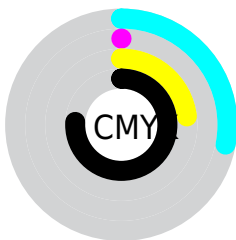
Distribution



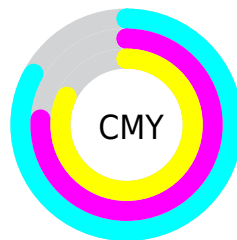
- Red (17%)
- Green (24%)
- Blue (18%)



- Red (17%)
- Yellow (23%)
- Blue (24%)



- Cyan (28%)
- Magenta (0%)
- Yellow (23%)
- Black (76%)





- Cyan (83%)
- Magenta (76%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 12.157, 147.996 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, 12.157, 147.996 by changing the saturation by 10% instead.

 24, 12.157,
147.996


 24, 12.157,
147.996

 100, 12.157,
147.996


 14, 12.157,
147.996


 44, 12.157,
147.996

 4, 12.157, 147.996

 54, 12.157,
147.996

 0, 12.157, 147.996

 64, 12.157,
147.996

 74, 12.157,
147.996

 84, 12.157,
147.996

 94, 12.157,

147.996

■ 24, 12.157,
147.996

■ 24, 12.157,
147.996

■ 23, 16.500,
147.199

■ 25, 7.772, 148.698

■ 23, 20.740,
146.295

■ 25, 3.390, 149.331

■ 23, 24.812,
145.275

■ 26, 0.950, 329.690

■ 22, 28.641,
144.136

■ 28, 9.402, 330.704

■ 22, 32.149,
142.887

■ 28, 13.480,
331.080

■ 22, 35.283,
141.598

■ 29, 17.446,
331.413

■ 22, 38.177,
140.694

■ 30, 21.297,
331.711

■ 22, 38.765,
140.583

■ 31, 25.032,
331.979

Harmonies

Complementary

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



24, 12.157, 147.996



21, 12.199, 331.209

Rectangle

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



24, 12.157, 147.996



24, 12.157, 197.996



24, 12.157, 327.996



24, 12.157, 17.996

Sweetspot

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



24, 12.158, 147.996



33, 4.304, 149.297



25, 11.153, 114.956



16, 3.088, 149.247



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, 12.158, 147.996



31, 17.855, 147.478



24, 8.404, 171.377



11, 2.413, 149.292



34, 53.611, 139.206



77, 103.003, 137.907

Inverse Universe

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



21, 12.199, 331.209



26, 17.913, 331.586



20, 8.943, 356.185



10, 2.420, 330.125



20, 49.086, 336.111



51, 90.528, 336.874

Previews

White Background



This preview shows how the CIELCh color 24, 12.157, 147.996 looks on a white background.

Color Contrast Check

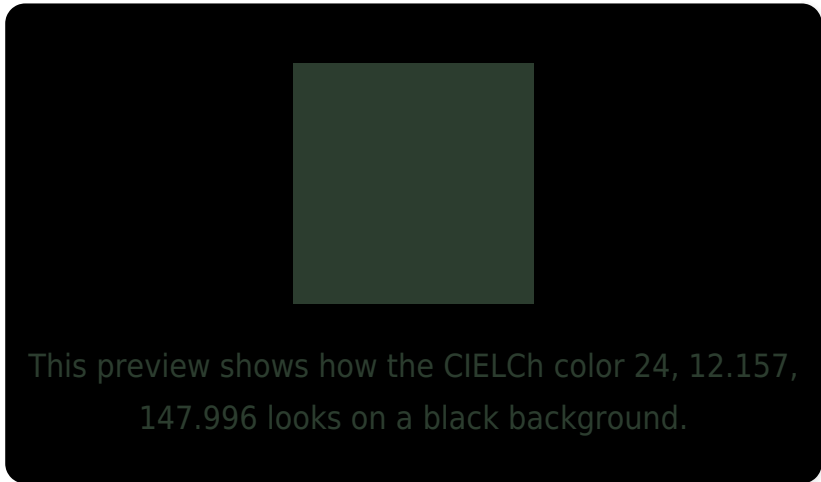
Large Text (above 18pt) WCAG AA ✓ Pass

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

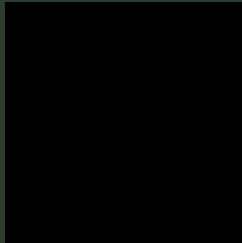
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 12.157, 147.996

Background



This preview shows how black text looks on a background with the CIELCh color 24, 12.157, 147.996.

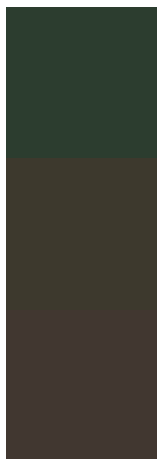


This preview shows how white text looks on a background with the CIELCh color 24, 12.157, 147.996.

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

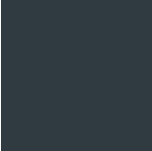
24, 12.157, 147.996

Protanopia

24, 8.147, 94.486

Deuteranopia

24, 6.762, 62.893



Tritanopia
24, 5.926, 232.888

Trichromacy



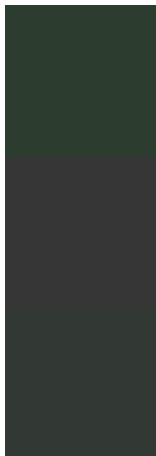
Original Color
24, 12.157, 147.996

Protanomaly
24, 8.757, 121.011

Deuteranomaly
24, 5.941, 108.874

Tritanomaly
24, 6.252, 186.033

Monochromacy



Original Color
24, 12.157, 147.996

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 4.653, 153.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 12.157, 147.996 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(44, 61, 47)` looks like.

```
.text, #text, p{  
    color:rgb(44, 61, 47)  
}
```

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(44, 61, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 61, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 12.157, 147.996 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(44, 61, 47) }
```

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

```
.border{ border-color:rgb(44, 61, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 61, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 61, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 61, 47);  
box-shadow:4px 4px 4px 4px rgb(44, 61, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 12.157, 147.996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 61, 47) }
```

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

```
.background{ background-color: rgb(44, 61,  
47) }
```

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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