

Converting Colors

CIELCh(24, 47.793, 181.484)

Have a look what the booklet for
CIELCh(24, 47.793, 181.484)
contains.

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Color

CIELCh(27, 24.197, 173.444)

Conversions

Conversions Part 1

Format	Color
Hex	01493B
RGB	1, 73, 59
RGB Percent	0%, 29%, 23%
CMY	0.9943, 0.7136, 0.7687
CMYK	0.98, 0.00, 0.19, 0.71
HSL	168°, 96%, 15%
HSV	168°, 98%, 29%
XYZ	3.1914, 5.0937, 4.9490
YIQ	49.8760, -38.4180, -19.6180

Conversions

Conversions Part 2

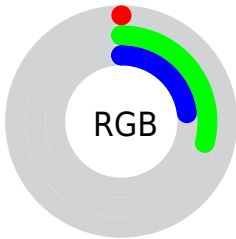
Format	Color
R_YB	1, 41, 73
Decimal	84283
CIE Lab	27.00, -24.04, 2.76
CIE LCh	27, 24.197, 173.444
Yxy	5.0937, 0.2412, 0.3849
Android (android.graphics.Color)	4278274363 (0xFF01493B)
YUV	49.8760, 4.4981, -42.8643
Hunter-Lab	22.5692, -14.2553, 2.7974

Details

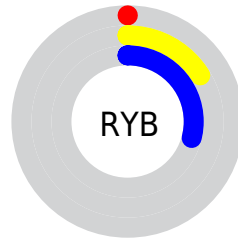
The CIELCh color **27, 24.197, 173.444** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 34.989, 21.605**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 24.123, 173.603**, and **9, 16.347, 159.078** is the 20% darker color. If you saturate the color by 10%, you get **27, 24.495, 173.211**, and if you desaturate by 10%, it is **27, 22.741, 174.698**.

Distribution



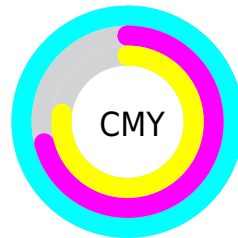
- Red (0%)
- Green (29%)
- Blue (23%)



- Red (0%)
- Yellow (16%)
- Blue (29%)



- Cyan (98%)
- Magenta (0%)
- Yellow (19%)
- Black (71%)



- Cyan (99%)
- Magenta (71%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 24.197, 173.444 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 27, 24.197, 173.444 by changing the saturation by 10% instead.

 27, 24.197,
173.444

 27, 24.197,
173.444

 100, 24.197,
173.444

 17, 24.197,
173.444

 47, 24.197,
173.444

 7, 24.197, 173.444

 57, 24.197,
173.444

 0, 24.197, 173.444

 67, 24.197,
173.444

 77, 24.197,
173.444

 87, 24.197,
173.444

 97, 24.197,

173.444

■ 27, 24.197,
173.444

■ 27, 24.197,
173.444

■ 27, 24.495,
173.211

■ 27, 22.741,
174.698

■ 27, 21.202,
176.023

■ 28, 19.332,
177.235

■ 28, 17.142,
178.348

■ 28, 14.659,
179.378

■ 29, 11.924,
180.341

■ 29, 8.979, 181.249

■ 30, 5.871, 182.119

■ 30, 2.641, 182.988

Harmonies

Complementary

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



27, 24.197, 173.444



13, 34.989, 21.605

Rectangle

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



27, 24.197, 173.444



27, 24.197, 223.444



27, 24.197, 353.444



27, 24.197, 43.444

Sweetspot

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



27, 24.197, 173.443



38, 11.455, 181.062



26, 46.260, 133.801



19, 7.889, 180.858



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



27, 24.197, 173.443



35, 29.435, 172.500



20, 18.764, 249.897



14, 1.806, 182.936



37, 30.585, 172.371



81, 56.858, 170.945

Inverse Universe

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



13, 34.989, 21.605



18, 43.539, 25.557



16, 32.369, 45.484



13, 1.862, 4.146



19, 45.346, 26.080



48, 85.899, 30.504

Previews

White Background



This preview shows how the CIELCh color 27, 24.197, 173.444 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 CIELCh color 27, 24.197, 173.444 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 27, 24.197, 173.444

Background



This preview shows how black text looks on a background with the CIELCh color 27, 24.197, 173.444.



This preview shows how white text looks on a background with the CIELCh color 27, 24.197, 173.444.

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
27, 24.231, 173.559

Protanopia
27, 6.624, 96.472

Deuteranopia
27, 4.206, 28.898



Tritanopia
27, 16.325, 208.670

Trichromacy



Original Color
27, 24.231, 173.559

Protanomaly
26, 12.723, 162.929

Deuteranomaly
26, 9.503, 173.373

Tritanomaly
27, 18.586, 192.521

Monochromacy



Original Color
27, 24.231, 173.559

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 11.425, 180.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 24.197, 173.444 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(1, 73, 59)` looks like.

```
.text, #text, p{  
    color:rgb(1, 73, 59)  
}
```

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(1, 73, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 73, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 24.197, 173.444 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(1, 73, 59) }
```

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

```
.border{ border-color:rgb(1, 73, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 73, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 73, 59); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 73, 59); box-shadow:4px  
4px 4px 4px rgb(1, 73, 59) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 24.197, 173.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 73, 59) }
```

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

```
.background{ background-color: rgb(1, 73,  
59) }
```

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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