

Converting Colors

CIELCh(27, 23.345, 177.479)

Have a look what the booklet for
CIELCh(27, 23.345, 177.479)
contains.

CIELCh(27, 23.272, 177.850)	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(27, 23.272, 177.850)

Conversions

Conversions Part 1

Format	Color
Hex	00493E
RGB	0, 73, 62
RGB Percent	0%, 29%, 24%
CMY	1.0000, 0.7142, 0.7573
CMYK	1.00, 0.00, 0.15, 0.71
HSL	171°, 100%, 14%
HSV	171°, 100%, 29%
XYZ	3.2381, 5.0937, 5.3525
YIQ	49.9190, -39.9770, -18.8970

Conversions

Conversions Part 2

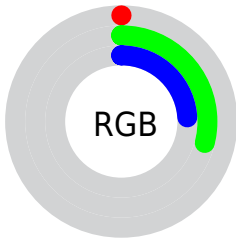
Format	Color
RYB	0, 39, 73
Decimal	18750
CIELab	27.00, -23.26, 0.87
CIELCh	27, 23.272, 177.850
Yxy	5.0937, 0.2366, 0.3722
Android (android.graphics.Color)	4278208830 (0xFF00493E)
YUV	49.9190, 5.9559, -43.7790
Hunter-Lab	22.5692, -13.8858, 1.7372

Details

The CIELCh color **27, 23.272, 177.850** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 35.985, 24.011**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 23.222, 177.453**, and **9, 14.239, 165.872** is the 20% darker color. If you saturate the color by 10%, you get **27, 23.249, 177.834**, and if you desaturate by 10%, it is **27, 21.948, 178.899**.

Distribution



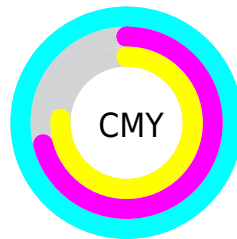
- Red (0%)
- Green (29%)
- Blue (24%)



- Red (0%)
- Yellow (15%)
- Blue (29%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (71%)



- Cyan (100%)
- Magenta (71%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 23.272, 177.850 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, 23.272, 177.850 by changing the saturation by 10% instead.

■ 27, 23.272,
177.850

■ 27, 23.272,
177.850

■ 100, 23.272,
177.850

■ 17, 23.272,
177.850

■ 47, 23.272,
177.850

■ 7, 23.272, 177.850

■ 57, 23.272,
177.850

■ 0, 23.272, 177.850

■ 67, 23.272,
177.850

■ 77, 23.272,
177.850

■ 87, 23.272,
177.850

■ 97, 23.272,

177.850

■ 27, 23.272,
177.850

■ 27, 23.272,
177.850

■ 27, 23.249,
177.834

■ 27, 21.948,
178.899

■ 27, 20.616,
180.050

■ 28, 18.968,
181.124

■ 28, 16.987,
182.118

■ 28, 14.697,
183.047

■ 29, 12.133,
183.927

■ 29, 9.339, 184.767

■ 30, 6.356, 185.581

■ 30, 3.230, 186.393

Harmonies

Complementary

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



27, 23.272, 177.850



12, 35.985, 24.011

Rectangle

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



27, 23.272, 177.850



27, 23.272, 227.850



27, 23.272, 357.850



27, 23.272, 47.850

Sweetspot

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



27, 23.249, 177.834



38, 11.537, 184.672



26, 47.118, 134.137



19, 7.896, 184.494



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, 23.249, 177.834



35, 27.917, 177.226



19, 19.852, 256.257



14, 1.773, 186.516



37, 28.996, 177.116



81, 53.658, 175.898

Inverse Universe

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



12, 35.985, 24.011



18, 44.464, 28.392



16, 32.407, 47.702



13, 1.835, 7.658



19, 46.401, 29.052



48, 88.568, 33.604

Previews

White Background



This preview shows how the CIELCh color 27, 23.272, 177.850 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, 23.272, 177.850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

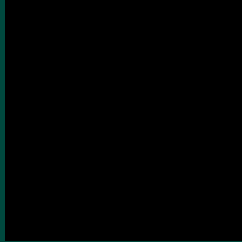
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 23.272, 177.850

Background



This preview shows how black text looks on a background with the CIELCh color 27, 23.272, 177.850.



This preview shows how white text looks on a background with the CIELCh color 27, 23.272, 177.850.

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](#).

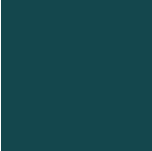
Dichromacy



Original Color
27, 23.272, 177.850

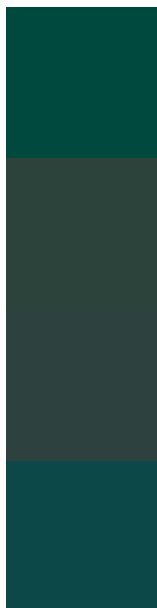
Protanopia
27, 4.740, 92.066

Deuteranopia
27, 3.860, 0.430



Tritanopia
27, 16.679, 210.725

Trichromacy



Original Color
27, 23.272, 177.850

Protanomaly
26, 11.556, 170.548

Deuteranomaly
26, 9.055, 185.330

Tritanomaly
27, 18.521, 196.616

Monochromacy



Original Color
27, 23.272, 177.850

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 11.155, 183.409

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 23.272, 177.850 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(0, 73, 62)` looks like.

```
.text, #text, p{  
    color:rgb(0, 73, 62)  
}
```

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(0, 73, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 73, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 23.272, 177.850 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(0, 73, 62) }
```

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

```
.border{ border-color:rgb(0, 73, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 73, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 73, 62); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 73, 62); box-shadow:4px  
4px 4px 4px rgb(0, 73, 62) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 23.272, 177.850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 73, 62) }
```

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

```
.background{ background-color: rgb(0, 73,  
62) }
```

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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