

Converting Colors

CIELCh(30, 23.693, 181.583)

Have a look what the booklet for
CIELCh(30, 23.693, 181.583)
contains.

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Color

CIELCh(30, 23.595, 181.787)

Conversions

Conversions Part 1

Format	Color
Hex	025047
RGB	2, 80, 71
RGB Percent	1%, 31%, 28%
CMY	0.9910, 0.6856, 0.7209
CMYK	0.97, 0.00, 0.11, 0.69
HSL	173°, 94%, 16%
HSV	173°, 97%, 31%
XYZ	4.0537, 6.2359, 6.9806
YIQ	55.6520, -43.5990, -19.3350

Conversions

Conversions Part 2

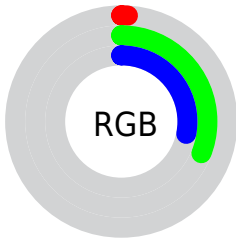
Format	Color
R _Y B	2, 43, 80
Decimal	151623
CIE Lab	30.00, -23.58, -0.74
CIE LCh	30, 23.595, 181.787
Yxy	6.2359, 0.2347, 0.3611
Android (android.graphics.Color)	4278341703 (0xFF025047)
YUV	55.6520, 7.5666, -47.0528
Hunter-Lab	24.9718, -14.7246, 0.9064

Details

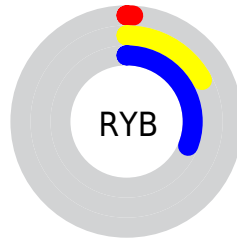
The CIELCh color **30, 23.595, 181.787** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **14, 38.473, 27.363**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 23.672, 181.094**, and **11, 15.008, 175.809** is the 20% darker color. If you saturate the color by 10%, you get **30, 23.937, 181.520**, and if you desaturate by 10%, it is **30, 22.429, 182.772**.

Distribution



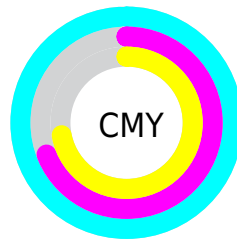
- Red (1%)
- Green (31%)
- Blue (28%)



- Red (1%)
- Yellow (17%)
- Blue (31%)



- Cyan (97%)
- Magenta (0%)
- Yellow (11%)
- Black (69%)




- Cyan (99%)
- Magenta (69%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 23.595, 181.787 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 30, 23.595, 181.787 by changing the saturation by 10% instead.


 30, 23.595,
181.787


 30, 23.595,
181.787

 100, 23.595,
181.787


 20, 23.595,
181.787


 50, 23.595,
181.787


 10, 23.595,
181.787

 60, 23.595,
181.787

 0, 23.595, 181.787

 70, 23.595,
181.787

 80, 23.595,
181.787

 90, 23.595,
181.787

■ 30, 23.595,
181.787

■ 30, 23.595,
181.787

■ 30, 23.937,
181.520

■ 30, 22.429,
182.772

■ 30, 21.077,
183.761

■ 31, 19.344,
184.680

■ 31, 17.240,
185.543

■ 31, 14.796,
186.365

■ 32, 12.050,
187.156

■ 32, 9.048, 187.925

■ 33, 5.840, 188.685

Harmonies

Complementary

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



30, 23.595, 181.787



14, 38.473, 27.363

Rectangle

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



30, 23.595, 181.787



30, 23.595, 231.787



30, 23.595, 1.787



30, 23.595, 51.787

Sweetspot

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



30, 23.595, 181.786



42, 11.958, 187.702



29, 49.921, 135.070



21, 8.216, 187.507



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 23.595, 181.786



39, 28.899, 181.042



20, 22.560, 264.058



16, 1.963, 189.341



83, 52.286, 180.095

Inverse Universe

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



14, 38.473, 27.363



20, 49.130, 31.503



19, 34.188, 52.701



15, 2.041, 10.465



49, 92.187, 35.702

Previews

White Background



This preview shows how the CIE LCh color 30, 23.595, 181.787 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 30, 23.595, 181.787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

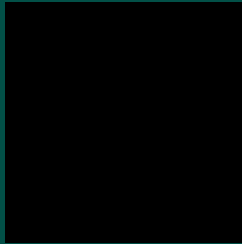
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 23.595, 181.787

Background



This preview shows how black text looks on a background with the CIELCh color 30, 23.595, 181.787.



This preview shows how white text looks on a background with the CIELCh color 30, 23.595, 181.787.

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
30, 23.595, 181.787

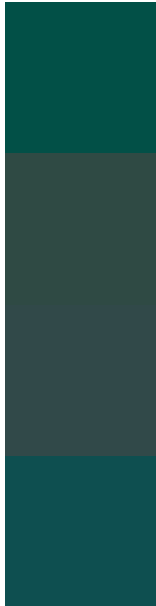
Protanopia
30, 3.305, 93.684

Deuteranopia
30, 4.452, 334.234



Tritanopia
30, 18.069, 211.546

Trichromacy



Original Color
30, 23.595, 181.787

Protanomaly
29, 11.807, 178.438

Deuteranomaly
29, 9.632, 197.953

Tritanomaly
30, 19.728, 198.514

Monochromacy



Original Color
30, 23.595, 181.787

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 11.854, 187.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 23.595, 181.787 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(2, 80, 71)` looks like.

```
.text, #text, p{  
    color:rgb(2, 80, 71)  
}
```

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(2, 80, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 80, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 23.595, 181.787 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(2, 80, 71) }
```

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

```
.border{ border-color:rgb(2, 80, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 80, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 80, 71); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 80, 71); box-shadow:4px  
4px 4px 4px rgb(2, 80, 71) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 23.595, 181.787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 80, 71) }
```

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

```
.background{ background-color: rgb(2, 80,  
71) }
```

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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