

Converting Colors

CIELCh(30, 15.578, 162.058)

Have a look what the booklet for
CIELCh(30, 15.578, 162.058)
contains.

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Color

CIELCh(30, 15.578, 162.058)

Conversions

Conversions Part 1

Format	Color
Hex	2F4D3F
RGB	47, 77, 63
RGB Percent	18%, 30%, 25%
CMY	0.8164, 0.6988, 0.7537
CMYK	0.39, 0.00, 0.18, 0.70
HSL	152°, 24%, 24%
HSV	152°, 39%, 30%
XYZ	4.6948, 6.2359, 5.6304
YIQ	66.4340, -13.3860, -10.7140

Conversions

Conversions Part 2

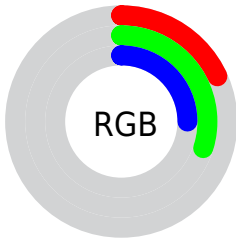
Format	Color
RYB	47, 67, 77
Decimal	3099967
CIELab	30.00, -14.82, 4.80
CIELCh	30, 15.578, 162.058
Yxy	6.2359, 0.2835, 0.3765
Android (android.graphics.Color)	4281290047 (0xFF2F4D3F)
YUV	66.4340, -1.6930, -17.0436
Hunter-Lab	24.9718, -10.1417, 4.1121

Details

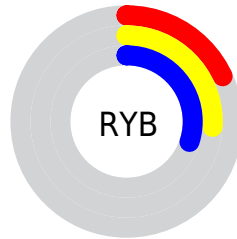
The CIELCh color **30, 15.578, 162.058** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **23, 16.389, 349.025**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 15.424, 163.143**, and **10, 15.680, 161.827** is the 20% darker color. If you saturate the color by 10%, you get **29, 19.309, 160.933**, and if you desaturate by 10%, it is **31, 11.693, 163.071**.

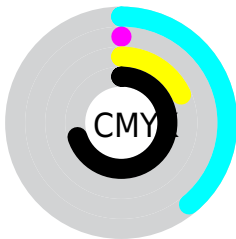
Distribution



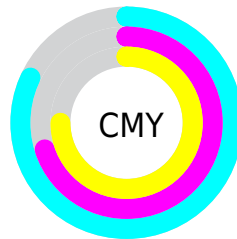
- Red (18%)
- Green (30%)
- Blue (25%)



- Red (18%)
- Yellow (26%)
- Blue (30%)



- Cyan (39%)
- Magenta (0%)
- Yellow (18%)
- Black (70%)





- Cyan (82%)
- Magenta (70%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 15.578, 162.058 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, 15.578, 162.058 by changing the saturation by 10% instead.


 30, 15.578,
162.058


 30, 15.578,
162.058

 100, 15.578,
162.058


 20, 15.578,
162.058


 50, 15.578,
162.058


 10, 15.578,
162.058

 60, 15.578,
162.058

 0, 15.578, 162.058

 70, 15.578,
162.058

 80, 15.578,
162.058

 90, 15.578,
162.058

■ 30, 15.578,
162.058

■ 30, 15.578,
162.058

■ 29, 19.309,
160.933

■ 31, 11.693,
163.071

■ 29, 22.828,
159.680

■ 31, 7.706, 163.993

■ 32, 3.666, 164.856

■ 29, 26.082,
158.279

■ 33, 0.386, 345.017

■ 28, 29.028,
156.714

■ 34, 4.416, 346.220

■ 28, 31.645,
154.987

■ 34, 8.398, 346.898

■ 35, 12.312,
347.518

■ 28, 34.177,
153.415

■ 36, 16.145,
348.097

■ 28, 34.418,
153.280

■ 38, 19.888,
348.643

Harmonies

Complementary

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



30, 15.578, 162.058



23, 16.389, 349.025

Rectangle

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



30, 15.578, 162.058



30, 15.578, 212.058



30, 15.578, 342.058



30, 15.578, 32.058

Sweetspot

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



30, 15.579, 162.057



41, 6.018, 164.567



31, 20.211, 128.596



20, 4.024, 164.520



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



30, 15.579, 162.057



38, 22.925, 160.973



30, 11.257, 201.053



15, 2.252, 164.891



37, 42.665, 152.297



81, 79.933, 150.540

Inverse Universe

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



23, 16.389, 349.025



29, 24.365, 350.199



23, 14.458, 24.989



14, 2.280, 346.102



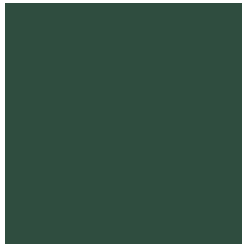
20, 43.215, 2.436



49, 77.964, 5.928

Previews

White Background



This preview shows how the CIELCh color 30, 15.578, 162.058 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, 15.578, 162.058 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, 15.578, 162.058

Background



This preview shows how black text looks on a background with the CIELCh color 30, 15.578, 162.058.



This preview shows how white text looks on a background with the CIELCh color 30, 15.578, 162.058.

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

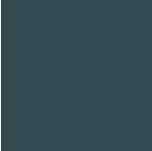
30, 15.578, 162.058

Protanopia

30, 6.642, 92.659

Deuteranopia

30, 5.418, 40.733



Tritanopia
30, 9.589, 222.022

Trichromacy



Original Color
30, 15.578, 162.058

Protanomaly
30, 7.928, 135.992

Deuteranomaly
30, 4.837, 131.167

Tritanomaly
30, 10.418, 194.296

Monochromacy



Original Color
30, 15.578, 162.058

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 5.837, 164.977

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 15.578, 162.058 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(47, 77, 63)` looks like.

```
.text, #text, p{  
    color:rgb(47, 77, 63)  
}
```

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(47, 77, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 77, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 15.578, 162.058 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(47, 77, 63) }
```

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

```
.border{ border-color:rgb(47, 77, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 77, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 77, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 77, 63);  
box-shadow:4px 4px 4px 4px rgb(47, 77, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 15.578, 162.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 77, 63) }
```

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

```
.background{ background-color: rgb(47, 77,  
63) }
```

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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