

Converting Colors

CIELCh(30, 18.364, 155.481)

Have a look what the booklet for
CIElCh(30, 18.364, 155.481)
contains.

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Color

CIELCh(30, 18.364, 155.481)

Conversions

Conversions Part 1

Format	Color
Hex	2D4D3A
RGB	45, 77, 58
RGB Percent	18%, 30%, 23%
CMY	0.8221, 0.6966, 0.7711
CMYK	0.41, 0.00, 0.25, 0.70
HSL	144°, 26%, 24%
HSV	144°, 41%, 30%
XYZ	4.5514, 6.2359, 5.0146
YIQ	65.2660, -12.9730, -12.6930

Conversions

Conversions Part 2

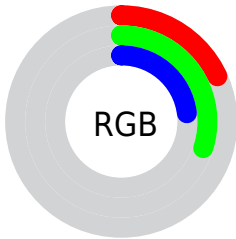
Format	Color
RYB	45, 68, 77
Decimal	2968890
CIELab	30.00, -16.71, 7.62
CIElCh	30, 18.364, 155.481
Yxy	6.2359, 0.2880, 0.3946
Android (android.graphics.Color)	4281158970 (0xFF2D4D3A)
YUV	65.2660, -3.5821, -17.7733
Hunter-Lab	24.9718, -11.1669, 5.5742




Details

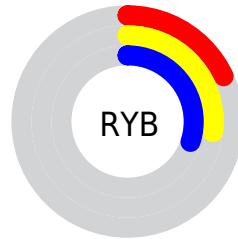
The CIELCh color **30, 18.364, 155.481** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **23, 18.840, 342.123**, and the grayscale version is **28, 0.004, 296.813**.




A 20% lighter version of the original color is **50, 18.374, 155.663**, and **10, 18.585, 155.890** is the 20% darker color. If you saturate the color by 10%, you get **29, 22.559, 154.369**, and if you desaturate by 10%, it is **31, 14.015, 156.468**.

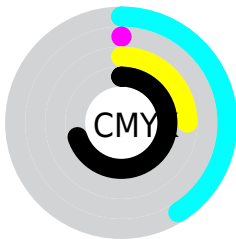
Distribution







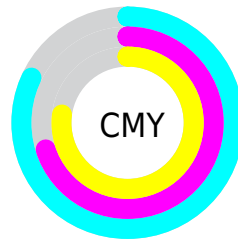
-  Red (18%)
-  Green (30%)
-  Blue (23%)






-  Red (18%)
-  Yellow (27%)
-  Blue (30%)



-  Cyan (41%)
-  Magenta (0%)
-  Yellow (25%)
-  Black (70%)





-  Cyan (82%)
-  Magenta (70%)
-  Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 18.364, 155.481 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, 18.364, 155.481 by changing the saturation by 10% instead.


 30, 18.364,
155.481


 30, 18.364,
155.481

 100, 18.364,
155.481


 20, 18.364,
155.481


 50, 18.364,
155.481


 10, 18.364,
155.481

 60, 18.364,
155.481

 0, 18.364, 155.481

 70, 18.364,
155.481

 80, 18.364,
155.481

 90, 18.364,
155.481

■ 30, 18.364,
155.481

■ 30, 18.364,
155.481

■ 29, 22.559,
154.369

■ 31, 14.015,
156.468

■ 29, 26.533,
153.115

■ 31, 9.571, 157.349

■ 32, 5.087, 158.149

■ 29, 30.224,
151.704

■ 33, 0.609, 159.126

■ 28, 33.579,
150.127

■ 34, 3.827, 339.403

■ 28, 36.595,
148.431

■ 35, 8.194, 340.009

■ 36, 12.471,
340.548

■ 28, 39.124,
147.171

■ 37, 16.644,
341.041

■ 38, 20.706,
341.496

Harmonies

Complementary

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



30, 18.364, 155.481



23, 18.840, 342.123

Rectangle

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



30, 18.364, 155.481



30, 18.364, 205.481



30, 18.364, 335.481



30, 18.364, 25.481

Sweetspot

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



30, 18.365, 155.480



41, 6.608, 158.068



31, 20.812, 123.610



20, 4.420, 158.025



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, 18.365, 155.480



38, 27.010, 154.323



30, 12.774, 188.241



15, 2.470, 158.360



37, 48.300, 146.241



80, 90.668, 144.559

Inverse Universe

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



23, 18.840, 342.123



28, 27.762, 343.155



23, 15.770, 15.357



14, 2.489, 339.449



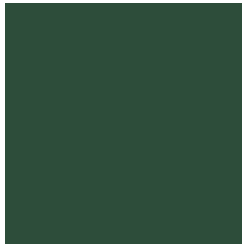
21, 44.927, 351.524



50, 80.302, 353.898

Previews

White Background



This preview shows how the CIE LCh color 30, 18.364, 155.481 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, 18.364, 155.481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

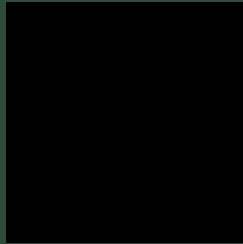
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 18.364, 155.481

Background



This preview shows how black text looks on a background with the CIELCh color 30, 18.364, 155.481.



This preview shows how white text looks on a background with the CIELCh color 30, 18.364, 155.481.

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

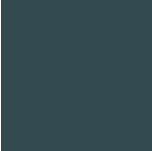
30, 18.364, 155.481

Protanopia

30, 9.848, 94.335

Deuteranopia

30, 8.027, 59.328



Tritanopia
30, 9.903, 221.184

Trichromacy



Original Color
30, 18.364, 155.481

Protanomaly
30, 11.589, 129.158

Deuteranomaly
30, 7.779, 118.973

Tritanomaly
30, 11.080, 187.670

Monochromacy



Original Color
30, 18.364, 155.481

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 7.005, 158.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 18.364, 155.481 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(45, 77, 58)` looks like.

```
.text, #text, p{  
    color:rgb(45, 77, 58)  
}
```

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(45, 77, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 77, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 18.364, 155.481 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(45, 77, 58) }
```

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

```
.border{ border-color:rgb(45, 77, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 77, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 77, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 77, 58);  
box-shadow:4px 4px 4px 4px rgb(45, 77, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 18.364, 155.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 77, 58) }
```

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

```
.background{ background-color: rgb(45, 77,  
58) }
```

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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