

Converting Colors

CIELCh(30, 16.229, 153.456)

Have a look what the booklet for
CIELCh(30, 16.229, 153.456)
contains.

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Color

CIELCh(30, 16.481, 153.014)

Conversions

Conversions Part 1

Format	Color
Hex	324D3B
RGB	50, 77, 59
RGB Percent	20%, 30%, 23%
CMY	0.8053, 0.6995, 0.7700
CMYK	0.35, 0.00, 0.23, 0.70
HSL	140°, 21%, 25%
HSV	140°, 35%, 30%
XYZ	4.7051, 6.2359, 5.0445
YIQ	66.8750, -10.3140, -11.3220

Conversions

Conversions Part 2

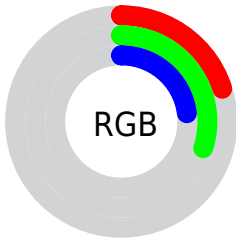
Format	Color
RYB	50, 70, 77
Decimal	3296571
CIELab	30.00, -14.69, 7.48
CIELCh	30, 16.481, 153.014
Yxy	6.2359, 0.2943, 0.3901
Android (android.graphics.Color)	4281486651 (0xFF324D3B)
YUV	66.8750, -3.8824, -14.7994
Hunter-Lab	24.9718, -10.0681, 5.5032

Details

The CIELCh color **30, 16.481, 153.014** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 16.717, 338.090**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 16.570, 153.014**, and **10, 16.726, 153.308** is the 20% darker color. If you saturate the color by 10%, you get **29, 21.019, 152.016**, and if you desaturate by 10%, it is **31, 11.833, 153.896**.

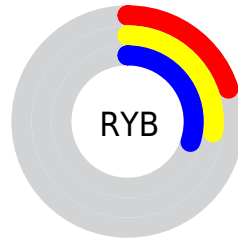
Distribution



 Red (20%)

 Green (30%)

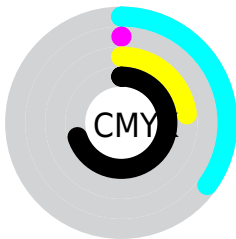
 Blue (23%)



 Red (20%)

 Yellow (27%)

 Blue (30%)

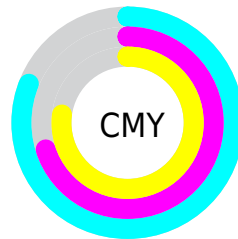


 Cyan (35%)

 Magenta (0%)

 Yellow (23%)

 Black (70%)



 Cyan (81%)


 Magenta (70%)


 Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 16.481, 153.014 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, 16.481, 153.014 by changing the saturation by 10% instead.


 30, 16.481,
153.014


 30, 16.481,
153.014

 100, 16.481,
153.014


 20, 16.481,
153.014


 50, 16.481,
153.014


 10, 16.481,
153.014

 60, 16.481,
153.014

 0, 16.481, 153.014

 70, 16.481,
153.014

 80, 16.481,
153.014

 90, 16.481,
153.014

■ 30, 16.481,
153.014

■ 30, 16.481,
153.014

■ 29, 21.019,
152.016

■ 31, 11.833,
153.896

■ 29, 25.378,
150.887

■ 31, 7.134, 154.682

■ 32, 2.435, 155.419

■ 29, 29.486,
149.610

■ 33, 2.223, 335.884

■ 28, 33.275,
148.177

■ 34, 6.809, 336.491

■ 28, 36.686,
146.588

■ 35, 11.300,
337.002

■ 28, 39.801,
145.034

■ 36, 15.680,
337.461

■ 28, 41.255,
144.416

■ 37, 19.942,
337.880

■ 38, 24.079,

Harmonies

Complementary

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



30, 16.481, 153.014



24, 16.717, 338.090

Rectangle

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



30, 16.481, 153.014



30, 16.481, 203.014



30, 16.481, 333.014



30, 16.481, 23.014

Sweetspot

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



30, 16.482, 153.014



41, 6.390, 154.963



31, 17.396, 121.295



20, 4.330, 154.915



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, 16.482, 153.014



38, 24.261, 152.192



30, 11.374, 182.992



15, 2.605, 155.162



37, 51.304, 143.492



80, 96.217, 141.913

Inverse Universe

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



24, 16.717, 338.090



30, 24.632, 338.757



24, 13.173, 9.376



14, 2.620, 336.182



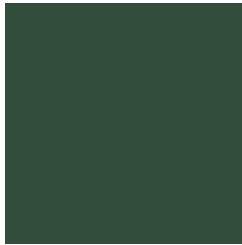
21, 46.648, 346.048



51, 83.286, 347.803

Previews

White Background



This preview shows how the CIELCh color 30, 16.481, 153.014 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, 16.481, 153.014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

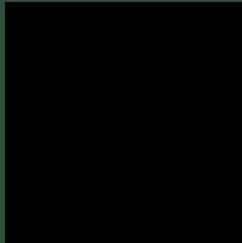
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 16.481, 153.014

Background



This preview shows how black text looks on a background with the CIELCh color 30, 16.481, 153.014.



This preview shows how white text looks on a background with the CIELCh color 30, 16.481, 153.014.

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](#).

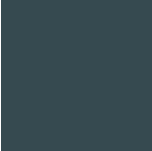
Dichromacy



Original Color
30, 16.481, 153.014

Protanopia
30, 9.231, 93.563

Deuteranopia
30, 7.607, 55.874



Tritanopia
30, 8.636, 224.952

Trichromacy



Original Color
30, 16.481, 153.014

Protanomaly
30, 9.950, 124.576

Deuteranomaly
30, 7.024, 112.614

Tritanomaly
30, 9.663, 186.417

Monochromacy



Original Color
30, 16.481, 153.014

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 5.586, 154.858

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 16.481, 153.014 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(50, 77, 59)` looks like.

```
.text, #text, p{  
    color:rgb(50, 77, 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(50, 77, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 77, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 16.481, 153.014 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(50, 77, 59) }
```

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

```
.border{ border-color:rgb(50, 77, 59) }
```

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

Here you see how a box with a 4 pixel rgb(50, 77, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 77, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 77, 59);  
box-shadow:4px 4px 4px 4px rgb(50, 77, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 16.481, 153.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 77, 59) }
```

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

```
.background{ background-color: rgb(50, 77,  
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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