

Converting Colors

CIELCh(32, 16.488, 164.649)

Have a look what the booklet for
CIELCh(32, 16.488, 164.649)
contains.

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Color

CIELCh(32, 16.650, 164.871)

Conversions

Conversions Part 1

Format	Color
Hex	305244
RGB	48, 82, 68
RGB Percent	19%, 32%, 27%
CMY	0.8117, 0.6783, 0.7332
CMYK	0.41, 0.00, 0.17, 0.68
HSL	155°, 26%, 26%
HSV	155°, 41%, 32%
XYZ	5.2835, 7.0852, 6.5620
YIQ	70.2380, -15.7700, -11.5620

Conversions

Conversions Part 2

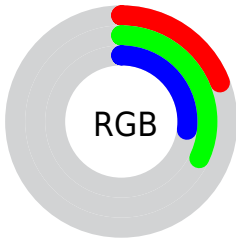
Format	Color
R_{YB}	48, 69, 82
Decimal	3166788
CIE _{Lab}	32.00, -16.07, 4.35
CIE _{LCh}	32, 16.650, 164.871
Yxy	7.0852, 0.2791, 0.3743
Android (android.graphics.Color)	4281356868 (0xFF305244)
YUV	70.2380, -1.1033, -19.5027
Hunter-Lab	26.6180, -11.1500, 4.0161

Details

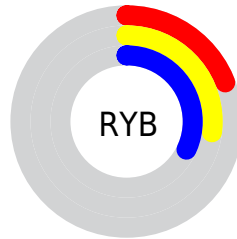
The CIELCh color **32, 16.650, 164.871** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **25, 17.865, 352.794**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 16.866, 164.295**, and **12, 16.716, 164.332** is the 20% darker color. If you saturate the color by 10%, you get **31, 20.318, 163.694**, and if you desaturate by 10%, it is **33, 12.790, 165.935**.

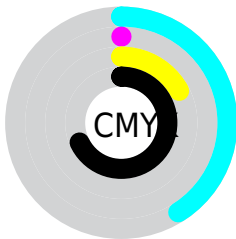
Distribution



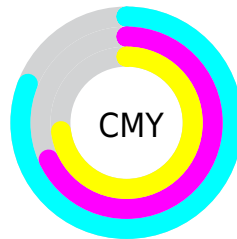
- Red (19%)
- Green (32%)
- Blue (27%)



- Red (19%)
- Yellow (27%)
- Blue (32%)



- Cyan (41%)
- Magenta (0%)
- Yellow (17%)
- Black (68%)





- Cyan (81%)
- Magenta (68%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 16.650, 164.871 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 32, 16.650, 164.871 by changing the saturation by 10% instead.


 32, 16.650,
164.871


 32, 16.650,
164.871

 100, 16.650,
164.871


 22, 16.650,
164.871

 52, 16.650,
164.871


 12, 16.650,
164.871


 62, 16.650,
164.871

 2, 16.650, 164.871

 72, 16.650,
164.871

 0, 16.650, 164.871

 82, 16.650,
164.871

 92, 16.650,
164.871

■ 32, 16.650,
164.871

■ 32, 16.650,
164.871

■ 31, 20.318,
163.694

■ 33, 12.790,
165.935

■ 31, 23.735,
162.386

■ 33, 8.793, 166.907

■ 31, 26.850,
160.929

■ 34, 4.713, 167.814

■ 35, 0.595, 168.967

■ 30, 29.625,
159.306

■ 36, 3.522, 349.271

■ 30, 32.066,
157.538

■ 37, 7.607, 350.013

■ 38, 11.638,
350.689

■ 30, 34.117,
156.171

■ 39, 15.596,
351.321

■ 40, 19.472,
351.919

Harmonies

Complementary

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



32, 16.650, 164.871



25, 17.865, 352.794

Rectangle

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



32, 16.650, 164.871



32, 16.650, 214.871



32, 16.650, 344.871



32, 16.650, 34.871

Sweetspot

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



32, 16.651, 164.870



44, 6.155, 167.727



32, 22.937, 130.178



22, 4.034, 167.676



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



32, 16.651, 164.870



41, 24.596, 163.654



31, 11.894, 206.550



16, 2.291, 168.058



38, 40.970, 155.370



82, 75.822, 153.678

Inverse Universe

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



25, 17.865, 352.794



30, 26.792, 354.246



25, 15.684, 29.126



15, 2.327, 349.340



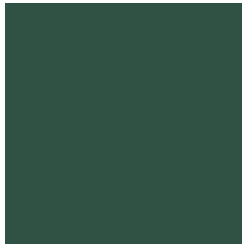
21, 43.842, 7.586



49, 78.927, 11.358

Previews

White Background



This preview shows how the CIELCh color 32, 16.650, 164.871 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 CIE LCh color 32, 16.650, 164.871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

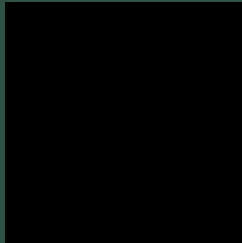
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 16.650, 164.871

Background



This preview shows how black text looks on a background with the CIELCh color 32, 16.650, 164.871.



This preview shows how white text looks on a background with the CIELCh color 32, 16.650, 164.871.

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
32, 16.650, 164.871

Protanopia
32, 7.173, 94.007

Deuteranopia
32, 5.593, 33.190



Tritanopia
32, 11.106, 218.193

Trichromacy



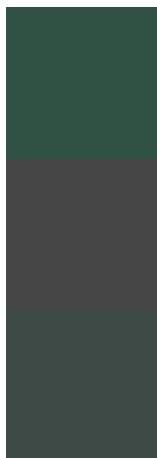
Original Color
32, 16.650, 164.871

Protanomaly
32, 9.366, 137.191

Deuteranomaly
32, 4.969, 135.847

Tritanomaly
32, 11.869, 191.545

Monochromacy



Original Color
32, 16.650, 164.871

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 6.140, 167.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 16.650, 164.871 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(48, 82, 68)` looks like.

```
.text, #text, p{  
    color:rgb(48, 82, 68)  
}
```

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(48, 82, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 82, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 16.650, 164.871 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(48, 82, 68) }
```

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

```
.border{ border-color:rgb(48, 82, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 82, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 82, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 82, 68);  
box-shadow:4px 4px 4px 4px rgb(48, 82, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 16.650, 164.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 82, 68) }
```

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

```
.background{ background-color: rgb(48, 82,  
68) }
```

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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