

Converting Colors

CIELCh(32, 16.648, 146.987)

Have a look what the booklet for
CIELCh(32, 16.648, 146.987)
contains.

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Color

CIELCh(32, 16.485, 147.434)

Conversions

Conversions Part 1

Format	Color
Hex	39513D
RGB	57, 81, 61
RGB Percent	22%, 32%, 24%
CMY	0.7766, 0.6825, 0.7609
CMYK	0.30, 0.00, 0.25, 0.68
HSL	130°, 17%, 27%
HSV	130°, 30%, 32%
XYZ	5.4667, 7.0852, 5.4896
YIQ	71.5440, -7.8840, -11.3080

Conversions

Conversions Part 2

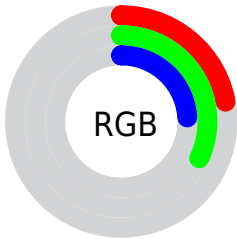
Format	Color
RYB	57, 78, 81
Decimal	3756349
CIELab	32.00, -13.89, 8.87
CIELCh	32, 16.485, 147.434
Yxy	7.0852, 0.3030, 0.3927
Android (android.graphics.Color)	4281946429 (0xFF39513D)
YUV	71.5440, -5.1982, -12.7551
Hunter-Lab	26.6180, -9.9219, 6.4047

Details

The CIELCh color **32, 16.485, 147.434** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **27, 16.537, 331.052**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 16.329, 146.668**, and **12, 16.159, 147.600** is the 20% darker color. If you saturate the color by 10%, you get **31, 21.974, 146.565**, and if you desaturate by 10%, it is **33, 10.916, 148.194**.

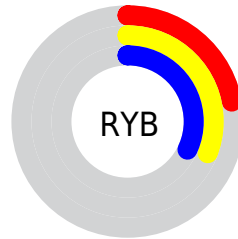
Distribution



 Red (22%)

 Green (32%)

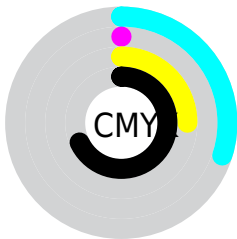
 Blue (24%)



 Red (22%)

 Yellow (31%)

 Blue (32%)

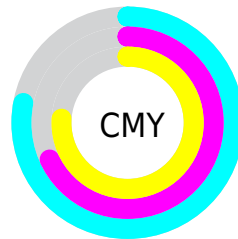


 Cyan (30%)

 Magenta (0%)

 Yellow (25%)

 Black (68%)



 Cyan (78%)


 Magenta (68%)


 Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 16.485, 147.434 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, 16.485, 147.434 by changing the saturation by 10% instead.


 32, 16.485,
147.434


 32, 16.485,
147.434

 100, 16.485,
147.434


 22, 16.485,
147.434

 52, 16.485,
147.434


 12, 16.485,
147.434


 62, 16.485,
147.434

 2, 16.485, 147.434

 72, 16.485,
147.434

 0, 16.485, 147.434

 82, 16.485,
147.434

 92, 16.485,
147.434

■ 32, 16.485,
147.434

■ 32, 16.485,
147.434

■ 31, 21.974,
146.565

■ 33, 10.916,
148.194

■ 31, 27.293,
145.575

■ 34, 5.335, 148.867

■ 30, 32.345,
144.456

■ 34, 0.201, 328.632

■ 35, 5.649, 329.885

■ 30, 37.021,
143.213

■ 36, 10.980,
330.338

■ 30, 41.208,
141.865

■ 38, 16.174,
330.730

■ 29, 44.804,
140.467

■ 39, 21.220,
331.075

■ 29, 47.942,
139.410

■ 40, 26.112,
331.382

■ 29, 48.046,

139.382

■ 41, 30.848,
331.656

Harmonies

Complementary

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



32, 16.485, 147.434



27, 16.537, 331.052

Rectangle

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



32, 16.485, 147.434



32, 16.485, 197.434



32, 16.485, 327.434



32, 16.485, 17.434

Sweetspot

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



32, 16.486, 147.434



43, 6.149, 148.889



33, 14.997, 114.750



22, 4.310, 148.830



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, 16.486, 147.434



41, 24.679, 146.784



32, 11.275, 171.070



16, 3.110, 148.926



38, 58.209, 138.769



81, 107.089, 137.697

Inverse Universe

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



27, 16.537, 331.052



34, 24.739, 331.501



27, 12.091, 356.544



15, 3.119, 329.838



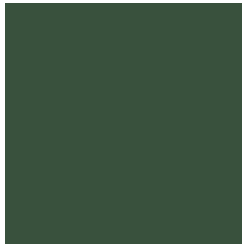
23, 53.033, 335.714



53, 94.312, 336.335

Previews

White Background



This preview shows how the CIELCh color 32, 16.485, 147.434 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, 16.485, 147.434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

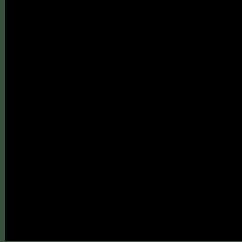
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 16.485, 147.434

Background



This preview shows how black text looks on a background with the CIELCh color 32, 16.485, 147.434.



This preview shows how white text looks on a background with the CIELCh color 32, 16.485, 147.434.

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

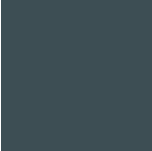
32, 16.485, 147.434

Protanopia

32, 10.957, 95.750

Deuteranopia

32, 9.113, 58.495



Tritanopia
32, 7.638, 228.594

Trichromacy



Original Color
32, 16.485, 147.434

Protanomaly
32, 11.540, 119.703

Deuteranomaly
32, 8.207, 105.447

Tritanomaly
32, 8.132, 184.654

Monochromacy



Original Color
32, 16.485, 147.434

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 5.708, 147.474

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 16.485, 147.434 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(57, 81, 61)` looks like.

```
.text, #text, p{  
    color:rgb(57, 81, 61)  
}
```

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(57, 81, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 81, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 16.485, 147.434 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(57, 81, 61) }
```

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

```
.border{ border-color:rgb(57, 81, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 81, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 81, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 81, 61);  
box-shadow:4px 4px 4px 4px rgb(57, 81, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 16.485, 147.434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 81, 61) }
```

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

```
.background{ background-color: rgb(57, 81,  
61) }
```

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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