

Converting Colors

CIELCh(30, 32.654, 149.371)

Have a look what the booklet for
CIELCh(30, 32.654, 149.371)
contains.

CIELCh(30, 32.462, 149.485)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(30, 32.462, 149.485)

Conversions

Conversions Part 1

Format	Color
Hex	18512C
RGB	24, 81, 44
RGB Percent	9%, 32%, 17%
CMY	0.9066, 0.6829, 0.8280
CMYK	0.71, 0.00, 0.46, 0.68
HSL	141°, 54%, 21%
HSV	141°, 71%, 32%
XYZ	3.7562, 6.2359, 3.3753
YIQ	59.7390, -22.0950, -23.5910

Conversions

Conversions Part 2

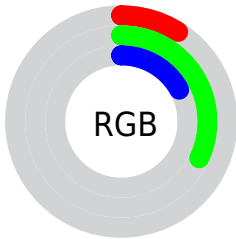
Format	Color
R_YB	24, 66, 81
Decimal	1593644
CIE Lab	30.00, -27.97, 16.48
CIE LCh	30, 32.462, 149.485
Yxy	6.2359, 0.2810, 0.4665
Android (android.graphics.Color)	4279783724 (0xFF18512C)
YUV	59.7390, -7.7593, -31.3431
Hunter-Lab	24.9718, -16.8511, 9.4663

Details

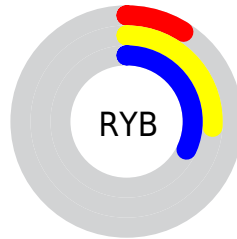
The CIELCh color **30, 32.462, 149.485** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **19, 32.519, 342.354**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 32.535, 149.454**, and **11, 26.856, 143.520** is the 20% darker color. If you saturate the color by 10%, you get **30, 36.140, 147.934**, and if you desaturate by 10%, it is **30, 28.418, 150.873**.

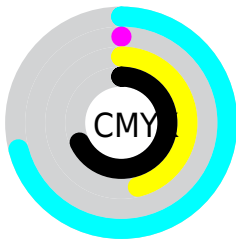
Distribution



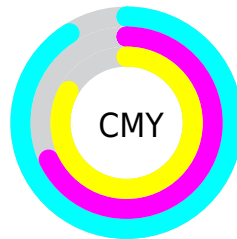
- Red (9%)
- Green (32%)
- Blue (17%)



- Red (9%)
- Yellow (26%)
- Blue (32%)



- Cyan (71%)
- Magenta (0%)
- Yellow (46%)
- Black (68%)





- Cyan (91%)
- Magenta (68%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 32.462, 149.485 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, 32.462, 149.485 by changing the saturation by 10% instead.


 30, 32.462,
149.485


 30, 32.462,
149.485

 100, 32.462,
149.485


 20, 32.462,
149.485


 50, 32.462,
149.485


 10, 32.462,
149.485

 60, 32.462,
149.485

 0, 32.462, 149.485

 70, 32.462,
149.485

 80, 32.462,
149.485

 90, 32.462,
149.485

■ 30, 32.462,
149.485

■ 30, 32.462,
149.485

■ 30, 36.140,
147.934

■ 30, 28.418,
150.873

■ 29, 39.418,
146.249

■ 31, 24.070,
152.104

■ 29, 42.365,
144.867

■ 31, 19.493,
153.192

■ 32, 14.760,
154.152

■ 33, 9.937, 155.005

■ 33, 5.084, 155.773

■ 34, 0.250, 157.146

■ 35, 4.527, 336.967

■ 36, 9.218, 337.530

Harmonies

Complementary

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



30, 32.462, 149.485



19, 32.519, 342.354

Rectangle

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



30, 32.462, 149.485



30, 32.462, 199.485



30, 32.462, 329.485



30, 32.462, 19.485

Sweetspot

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



30, 32.462, 149.485



42, 12.572, 154.907



32, 34.846, 120.609



21, 8.578, 154.782



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 32.462, 149.485



38, 46.138, 146.682



31, 20.655, 181.033



16, 2.717, 155.907



38, 51.552, 144.056



81, 95.730, 142.502

Inverse Universe

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



19, 32.519, 342.354



23, 44.365, 344.757



18, 28.744, 17.806



15, 2.733, 336.964



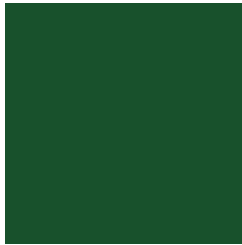
22, 46.965, 347.416



51, 83.135, 349.259

Previews

White Background



This preview shows how the CIELCh color 30, 32.462, 149.485 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, 32.462, 149.485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

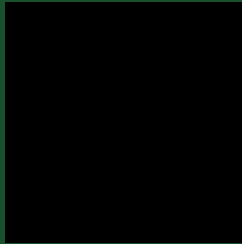
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 32.462, 149.485

Background



This preview shows how black text looks on a background with the CIELCh color 30, 32.462, 149.485.



This preview shows how white text looks on a background with the CIELCh color 30, 32.462, 149.485.

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, 32.462, 149.485

Protanopia

30, 19.687, 97.641

Deuteranopia

30, 15.770, 72.959



Tritanopia
30, 14.285, 216.028

Trichromacy



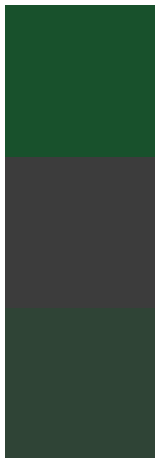
Original Color
30, 32.462, 149.485

Protanomaly
30, 22.713, 127.161

Deuteranomaly
29, 16.974, 121.776

Tritanomaly
30, 18.296, 178.241

Monochromacy



Original Color
30, 32.462, 149.485

Achromatopsia
25, 0.004, 296.813

Achromatomaly
27, 13.111, 153.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 32.462, 149.485 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(24, 81, 44)` looks like.

```
.text, #text, p{  
    color:rgb(24, 81, 44)  
}
```

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(24, 81, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 81, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 32.462, 149.485 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(24, 81, 44) }
```

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

```
.border{ border-color:rgb(24, 81, 44) }
```

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

Here you see how a box with a 4 pixel rgb(24, 81, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 81, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 81, 44);  
box-shadow:4px 4px 4px 4px rgb(24, 81, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 32.462, 149.485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 81, 44) }
```

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

```
.background{ background-color: rgb(24, 81,  
44) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor