

Converting Colors

CIELCh(32, 19.909, 113.600)

Have a look what the booklet for
CIELCh(32, 19.909, 113.600)
contains.

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Color

CIELCh(32, 19.944, 113.571)

Conversions

Conversions Part 1

Format	Color
Hex	494E2E
RGB	73, 78, 46
RGB Percent	29%, 31%, 18%
CMY	0.7133, 0.6936, 0.8192
CMYK	0.06, 0.00, 0.41, 0.69
HSL	69°, 26%, 24%
HSV	69°, 41%, 31%
XYZ	5.9851, 7.0852, 3.6485
YIQ	72.8570, 7.2920, -11.0120

Conversions

Conversions Part 2

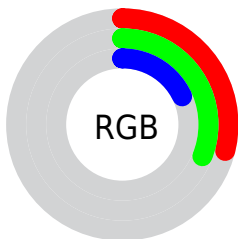
Format	Color
RYB	46, 78, 51
Decimal	4804142
CIELab	32.00, -7.98, 18.28
CIElCh	32, 19.944, 113.571
Yxy	7.0852, 0.3580, 0.4238
Android (android.graphics.Color)	4282994222 (0xFF494E2E)
YUV	72.8570, -13.2405, 0.1254
Hunter-Lab	26.6180, -6.4453, 10.5057

Details

The CIELCh color **32, 19.944, 113.571** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **21, 21.801, 299.843**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 20.167, 113.778**, and **12, 19.369, 113.515** is the 20% darker color. If you saturate the color by 10%, you get **32, 24.545, 112.954**, and if you desaturate by 10%, it is **32, 15.185, 114.231**.

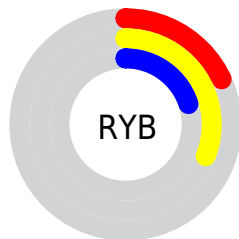
Distribution



Red (29%)

Green (31%)

Blue (18%)



Red (18%)

Yellow (31%)

Blue (20%)

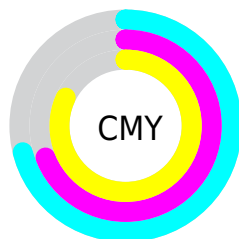


Cyan (6%)

Magenta (0%)

Yellow (41%)

Black (69%)



Cyan (71%)


Magenta (69%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 19.944, 113.571 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, 19.944, 113.571 by changing the saturation by 10% instead.


 32, 19.944,
113.571


 32, 19.944,
113.571

 100, 19.944,
113.571


 22, 19.944,
113.571

 52, 19.944,
113.571


 12, 19.944,
113.571


 62, 19.944,
113.571

 2, 19.944, 113.571

 72, 19.944,
113.571

 0, 19.944, 113.571

 82, 19.944,
113.571

 92, 19.944,
113.571

■ 32, 19.944,
113.571

■ 32, 19.944,
113.571

■ 32, 24.545,
112.954

■ 32, 15.185,
114.231

■ 32, 28.896,
112.403

■ 33, 10.328,
114.904

■ 31, 32.872,
111.963

■ 33, 5.415, 115.576

■ 31, 36.305,
111.687

■ 33, 0.476, 116.232

■ 34, 4.469, 296.879

■ 31, 39.090,
111.606

■ 34, 9.406, 297.495

■ 31, 41.699,
111.461

■ 34, 14.323,
298.083

■ 35, 19.211,
298.641

■ 35, 24.064,

Harmonies

Complementary

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



32, 19.944, 113.571



21, 21.801, 299.843

Rectangle

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



32, 19.944, 113.571



32, 19.944, 163.571



32, 19.944, 293.571



32, 19.944, 343.571

Sweetspot

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



32, 19.945, 113.574



43, 7.383, 115.478



24, 14.107, 34.714



21, 4.835, 115.444



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



32, 19.945, 113.574



41, 29.425, 112.964



31, 22.206, 132.373



15, 2.707, 115.732



40, 50.189, 111.765



86, 91.009, 112.376

Inverse Universe

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



21, 21.801, 299.843



25, 33.055, 300.982



23, 22.966, 315.732



14, 2.757, 296.897



10, 67.240, 307.274



30, 122.456, 306.853

Previews

White Background



This preview shows how the CIELCh color 32, 19.944, 113.571 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, 19.944, 113.571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

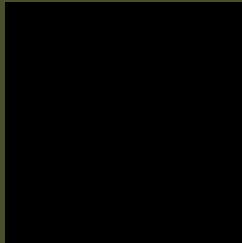
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

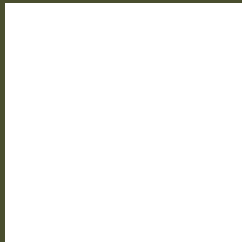
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 32, 19.944, 113.571

Background



This preview shows how black text looks on a background with the CIELCh color 32, 19.944, 113.571.



This preview shows how white text looks on a background with the CIELCh color 32, 19.944, 113.571.

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, 19.944, 113.571

Protanopia

32, 19.033, 96.237

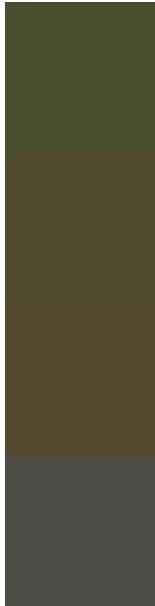
Deuteranopia

32, 18.001, 75.692



Tritanopia
32, 4.035, 309.354

Trichromacy



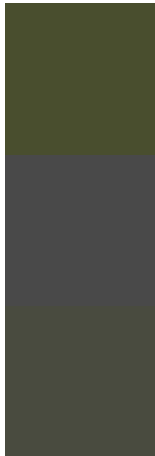
Original Color
32, 19.944, 113.571

Protanomaly
32, 19.316, 102.264

Deuteranomaly
32, 17.661, 90.789

Tritanomaly
32, 4.439, 103.542

Monochromacy



Original Color
32, 19.944, 113.571

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 7.635, 115.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 19.944, 113.571 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(73, 78, 46)` looks like.

```
.text, #text, p{  
    color:rgb(73, 78, 46)  
}
```

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(73, 78, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 78, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 19.944, 113.571 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(73, 78, 46) }
```

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

```
.border{ border-color:rgb(73, 78, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 78, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 78, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 78, 46);  
box-shadow:4px 4px 4px 4px rgb(73, 78, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 19.944, 113.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 78, 46) }
```

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

```
.background{ background-color: rgb(73, 78,  
46) }
```

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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