

Converting Colors

CIELCh(32, 19.406, 97.338)

Have a look what the booklet for
CIELCh(32, 19.406, 97.338) contains.

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Color

CIELCh(32, 19.500, 97.906)

Conversions

Conversions Part 1

Format	Color
Hex	524C2D
RGB	82, 76, 45
RGB Percent	32%, 30%, 18%
CMY	0.6799, 0.7033, 0.8248
CMYK	0.00, 0.07, 0.45, 0.68
HSL	50°, 29%, 25%
HSV	50°, 45%, 32%
XYZ	6.4757, 7.0852, 3.4757
YIQ	74.2600, 13.5270, -8.3690

Conversions

Conversions Part 2

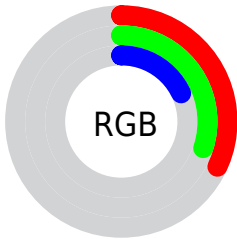
Format	Color
R _Y B	52, 82, 45
Decimal	5393453
CIE Lab	32.00, -2.68, 19.31
CIE LCh	32, 19.500, 97.906
Yxy	7.0852, 0.3801, 0.4159
Android (android.graphics.Color)	4283583533 (0xFF524C2D)
YUV	74.2600, -14.4252, 6.7880
Hunter-Lab	26.6180, -3.1554, 10.8907




Details

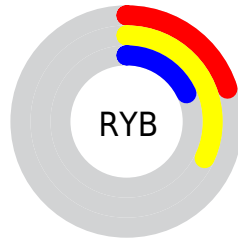
The CIELCh color **32, 19.500, 97.906** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **22, 20.842, 288.832**, and the grayscale version is **31, 0.005, 296.813**.




A 20% lighter version of the original color is **52, 19.764, 98.702**, and **12, 18.093, 97.357** is the 20% darker color. If you saturate the color by 10%, you get **31, 23.657, 96.842**, and if you desaturate by 10%, it is **33, 15.234, 98.974**.

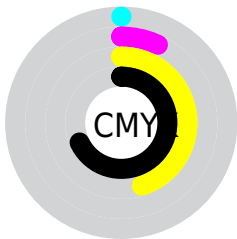
Distribution







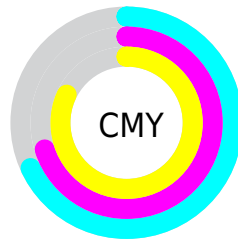
-  Red (32%)
-  Green (30%)
-  Blue (18%)






-  Red (20%)
-  Yellow (32%)
-  Blue (18%)



-  Cyan (0%)
-  Magenta (7%)
-  Yellow (45%)
-  Black (68%)



-  Cyan (68%)
-  Magenta (70%)
-  Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 19.500, 97.906 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, 19.500, 97.906 by changing the saturation by 10% instead.

■ 32, 19.500, 97.906

■ 32, 19.500, 97.906

■ 100, 19.500,
97.906

■ 22, 19.500, 97.906

■ 52, 19.500, 97.906

■ 12, 19.500, 97.906

■ 62, 19.500, 97.906

■ 2, 19.500, 97.906

■ 72, 19.500, 97.906

■ 0, 19.500, 97.906

■ 82, 19.500, 97.906

■ 92, 19.500, 97.906

■ 32, 19.500, 97.906

■ 32, 19.500, 97.906

■ 31, 23.657, 96.842

■ 33, 15.234, 98.974

■ 31, 27.609, 95.777

■ 33, 10.918,
100.026

■ 30, 31.210, 94.719

■ 34, 6.589, 101.057

■ 30, 34.251, 93.667

■ 34, 2.268, 102.047

■ 30, 36.901, 92.642

■ 35, 2.031, 283.096

■ 29, 38.292, 92.197

■ 36, 6.301, 284.020

■ 36, 10.537,
284.928

■ 37, 14.739,
285.799

■ 38, 18.904,
286.633

Harmonies

Complementary

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



32, 19.500, 97.906



22, 20.842, 288.832

Rectangle

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



32, 19.500, 97.906



32, 19.500, 147.906



32, 19.500, 277.906



32, 19.500, 327.906

Sweetspot

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



32, 19.501, 97.910



44, 7.553, 101.135



23, 18.197, 10.952



22, 5.155, 101.005



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, 19.501, 97.910



41, 28.903, 96.770



33, 23.394, 120.790



16, 2.404, 101.715



38, 45.414, 91.792



80, 80.973, 90.913

Inverse Universe

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



22, 20.842, 288.832



26, 31.659, 290.960



21, 25.421, 305.844



15, 2.434, 283.528



12, 60.445, 302.277



32, 114.448, 303.891

Previews

White Background



This preview shows how the CIELCh color 32, 19.500, 97.906 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 32, 19.500, 97.906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

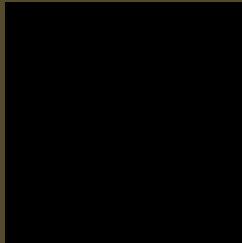
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 19.500, 97.906

Background



This preview shows how black text looks on a background with the CIELCh color 32, 19.500, 97.906.



This preview shows how white text looks on a background with the CIELCh color 32, 19.500, 97.906.

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, 19.500, 97.906

Protanopia

32, 19.033, 96.237

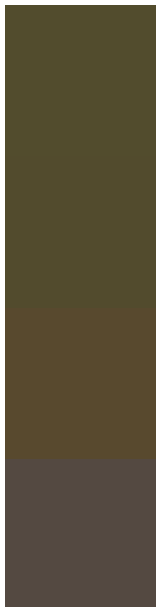
Deuteranopia

32, 19.095, 77.267



Tritanopia
32, 6.543, 351.654

Trichromacy



Original Color
32, 19.500, 97.906

Protanomaly
32, 19.033, 96.237

Deuteranomaly
32, 18.627, 83.356

Tritanomaly
32, 7.205, 64.179

Monochromacy



Original Color
32, 19.500, 97.906

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 7.619, 101.837

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 19.500, 97.906 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(82, 76, 45)` looks like.

```
.text, #text, p{  
    color:rgb(82, 76, 45)  
}
```

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(82, 76, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 76, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 19.500, 97.906 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(82, 76, 45) }
```

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

```
.border{ border-color:rgb(82, 76, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 76, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 76, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 76, 45);  
box-shadow:4px 4px 4px 4px rgb(82, 76, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 19.500, 97.906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 76, 45) }
```

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

```
.background{ background-color: rgb(82, 76,  
45) }
```

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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