

Converting Colors

CIELCh(32, 9.670, 117.093)

Have a look what the booklet for
CIELCh(32, 9.670, 117.093) contains.

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Color

CIELCh(32, 9.526, 116.797)

Conversions

Conversions Part 1

Format	Color
Hex	4A4D3E
RGB	74, 77, 62
RGB Percent	29%, 30%, 24%
CMY	0.7103, 0.6986, 0.7574
CMYK	0.04, 0.00, 0.20, 0.70
HSL	72°, 11%, 27%
HSV	72°, 20%, 30%
XYZ	6.3235, 7.0852, 5.5726
YIQ	74.3930, 3.0270, -5.3010

Conversions

Conversions Part 2

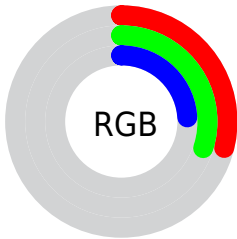
Format	Color
RYB	62, 77, 65
Decimal	4869438
CIELab	32.00, -4.29, 8.50
CIELCh	32, 9.526, 116.797
Yxy	7.0852, 0.3331, 0.3733
Android (android.graphics.Color)	4283059518 (0xFF4A4D3E)
YUV	74.3930, -6.1097, -0.3447
Hunter-Lab	26.6180, -4.1759, 6.2199

Details

The CIELCh color **32, 9.526, 116.797** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 9.891, 299.330**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 9.322, 116.668**, and **12, 9.367, 117.387** is the 20% darker color. If you saturate the color by 10%, you get **32, 14.355, 116.177**, and if you desaturate by 10%, it is **32, 4.651, 117.422**.

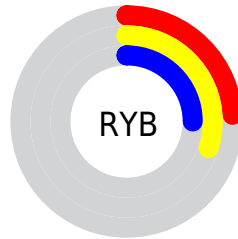
Distribution



Red (29%)

Green (30%)

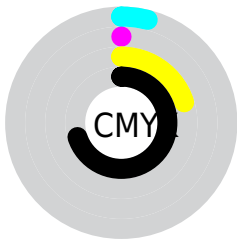
Blue (24%)



Red (24%)

Yellow (30%)

Blue (25%)

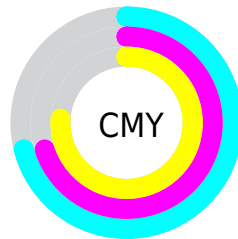


Cyan (4%)

Magenta (0%)

Yellow (20%)

Black (70%)



Cyan (71%)

Magenta (70%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 9.526, 116.797 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, 9.526, 116.797 by changing the saturation by 10% instead.

■ 32, 9.526, 116.797

■ 32, 9.526, 116.797

■ 100, 9.526,
116.797

■ 22, 9.526, 116.797

■ 52, 9.526, 116.797

■ 12, 9.526, 116.797

■ 62, 9.526, 116.797

■ 2, 9.526, 116.797

■ 72, 9.526, 116.797

■ 0, 9.526, 116.797

■ 82, 9.526, 116.797

■ 92, 9.526, 116.797

■ 32, 9.526, 116.797

■ 32, 9.526, 116.797

■ 32, 14.355,
116.177

■ 32, 4.651, 117.422

■ 31, 19.096,
115.566

■ 33, 0.245, 298.004

■ 31, 23.693,
114.989

■ 33, 5.142, 298.613

■ 31, 28.065,
114.477

■ 34, 10.025,
299.174

■ 31, 32.093,
114.075

■ 34, 14.885,
299.707

■ 30, 35.622,
113.837

■ 34, 19.711,
300.210

■ 30, 38.503,
113.817

■ 35, 24.499,
300.684

■ 30, 41.420,
113.724

■ 35, 29.243,
301.128

■ 30, 41.573,
113.714

■ 36, 33.940,
301.542

Harmonies

Complementary

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



32, 9.526, 116.797



27, 9.891, 299.330

Rectangle

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



32, 9.526, 116.797



32, 9.526, 166.797



32, 9.526, 296.797



32, 9.526, 346.797

Sweetspot

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



32, 9.527, 116.801



42, 3.631, 117.625



29, 5.914, 39.169



21, 2.429, 117.608



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, 9.527, 116.801



41, 13.881, 116.531



31, 10.617, 134.951



15, 2.719, 117.475



40, 50.623, 114.115



85, 91.901, 114.865

Inverse Universe

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



27, 9.891, 299.330



34, 14.539, 299.674



28, 10.760, 316.471



14, 2.767, 298.546



10, 66.861, 307.666



30, 121.873, 307.168

Previews

White Background



This preview shows how the CIELCh color 32, 9.526, 116.797 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, 9.526, 116.797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

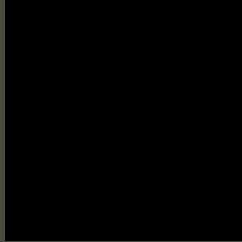
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

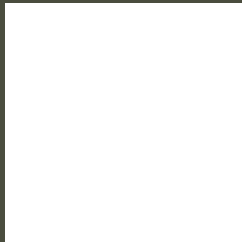
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 32, 9.526, 116.797

Background



This preview shows how black text looks on a background with the CIELCh color 32, 9.526, 116.797.

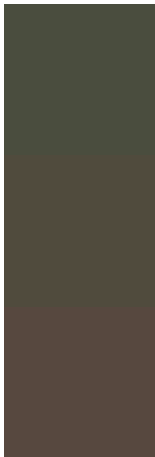


This preview shows how white text looks on a background with the CIELCh color 32, 9.526, 116.797.

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, 9.526, 116.797

Protanopia

32, 9.124, 93.715

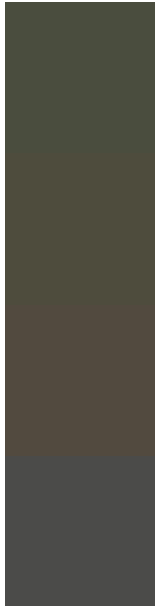
Deuteranopia

32, 9.113, 58.495



Tritanopia
32, 3.916, 303.415

Trichromacy



Original Color

32, 9.526, 116.797

Protanomaly

32, 9.471, 102.822

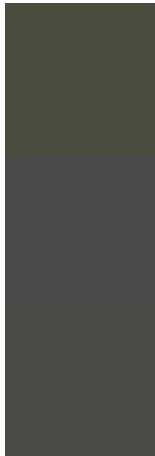
Deuteranomaly

32, 7.892, 80.724

Tritanomaly

32, 1.261, 109.925

Monochromacy



Original Color

32, 9.526, 116.797

Achromatopsia

31, 0.005, 296.813

Achromatomaly

32, 3.194, 117.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 9.526, 116.797 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(74, 77, 62)` looks like.

```
.text, #text, p{  
    color:rgb(74, 77, 62)  
}
```

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(74, 77, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 77, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 9.526, 116.797 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(74, 77, 62) }
```

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

```
.border{ border-color:rgb(74, 77, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 77, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 77, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 77, 62);  
box-shadow:4px 4px 4px 4px rgb(74, 77, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 9.526, 116.797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 77, 62) }
```

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

```
.background{ background-color: rgb(74, 77,  
62) }
```

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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