

Converting Colors

CIELCh(32, 12.525, 103.957)

Have a look what the booklet for
CIELCh(32, 12.525, 103.957)
contains.

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Color

CIELCh(32, 12.575, 103.564)

Conversions

Conversions Part 1

Format	Color
Hex	4E4C38
RGB	78, 76, 56
RGB Percent	31%, 30%, 22%
CMY	0.6939, 0.7017, 0.7802
CMYK	0.00, 0.03, 0.28, 0.69
HSL	55°, 16%, 26%
HSV	55°, 28%, 31%
XYZ	6.4503, 7.0852, 4.7761
YIQ	74.3180, 7.6120, -5.7960

Conversions

Conversions Part 2

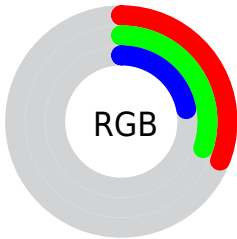
Format	Color
R_{YB}	58, 78, 56
Decimal	5131320
CIE Lab	32.00, -2.95, 12.22
CIE LCh	32, 12.575, 103.564
Yxy	7.0852, 0.3523, 0.3869
Android (android.graphics.Color)	4283321400 (0xFF4E4C38)
YUV	74.3180, -9.0308, 3.2291
Hunter-Lab	26.6180, -3.3255, 7.9941

Details

The CIELCh color **32, 12.575, 103.564** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 13.198, 289.448**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 12.707, 104.715**, and **12, 12.535, 101.897** is the 20% darker color. If you saturate the color by 10%, you get **32, 16.976, 102.603**, and if you desaturate by 10%, it is **32, 8.125, 104.528**.

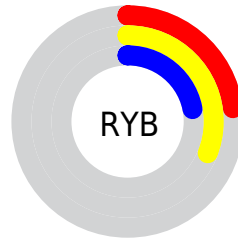
Distribution



Red (31%)

Green (30%)

Blue (22%)



Red (23%)

Yellow (31%)

Blue (22%)

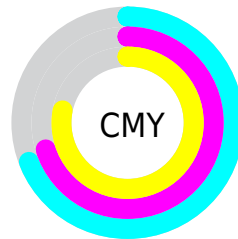


Cyan (0%)

Magenta (3%)

Yellow (28%)

Black (69%)



Cyan (69%)


Magenta (70%)


Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 12.575, 103.564 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, 12.575, 103.564 by changing the saturation by 10% instead.


 32, 12.575,
103.564


 32, 12.575,
103.564

 100, 12.575,
103.564


 22, 12.575,
103.564

 52, 12.575,
103.564


 12, 12.575,
103.564


 62, 12.575,
103.564

 2, 12.575, 103.564

 72, 12.575,
103.564

 0, 12.575, 103.564

 82, 12.575,
103.564

 92, 12.575,
103.564

■ 32, 12.575,
103.564

■ 32, 12.575,
103.564

■ 32, 16.976,
102.603

■ 32, 8.125, 104.528

■ 31, 21.280,
101.644

■ 33, 3.656, 105.469

■ 31, 25.414,
100.704

■ 33, 0.814, 286.475

■ 31, 29.268, 99.799

■ 34, 9.711, 288.189

■ 30, 32.682, 98.943

■ 35, 14.125,
289.025

■ 30, 35.458, 98.152

■ 35, 18.510,
289.826

■ 30, 38.188, 97.399

■ 30, 38.721, 97.267

■ 36, 22.864,
290.590

■ 36, 27.186,
291.318

Harmonies

Complementary

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



32, 12.575, 103.564



25, 13.198, 289.448

Rectangle

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



32, 12.575, 103.564



32, 12.575, 153.564



32, 12.575, 283.564



32, 12.575, 333.564

Sweetspot

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



32, 12.576, 103.569



43, 4.457, 105.459



26, 10.465, 13.632



21, 3.128, 105.370



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, 12.576, 103.569



41, 18.883, 102.886



32, 14.375, 124.217



15, 2.450, 105.428



39, 46.516, 97.039



83, 83.834, 96.583

Inverse Universe

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



25, 13.198, 289.448



31, 20.108, 290.477



25, 15.007, 306.909



14, 2.489, 287.103



10, 63.232, 304.127



30, 119.305, 305.315

Previews

White Background



This preview shows how the CIE LCh color 32, 12.575, 103.564 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, 12.575, 103.564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

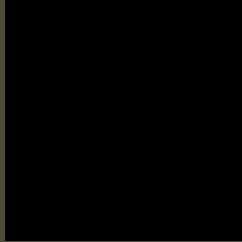
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 12.575, 103.564

Background



This preview shows how black text looks on a background with the CIELCh color 32, 12.575, 103.564.

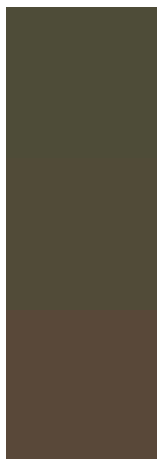


This preview shows how white text looks on a background with the CIELCh color 32, 12.575, 103.564.

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, 12.575, 103.564

Protanopia

32, 12.289, 94.510

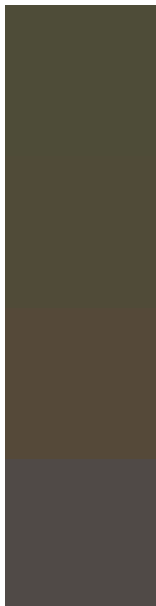
Deuteranopia

32, 12.638, 68.023



Tritanopia
32, 5.167, 332.889

Trichromacy



Original Color
32, 12.575, 103.564

Protanomaly
32, 12.182, 96.706

Deuteranomaly
32, 11.678, 78.804

Tritanomaly
32, 3.284, 54.820

Monochromacy



Original Color
32, 12.575, 103.564

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 5.051, 109.253

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 12.575, 103.564 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(78, 76, 56)` looks like.

```
.text, #text, p{  
    color:rgb(78, 76, 56)  
}
```

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(78, 76, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 76, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 12.575, 103.564 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(78, 76, 56) }
```

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

```
.border{ border-color:rgb(78, 76, 56) }
```

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

Here you see how a box with a 4 pixel rgb(78, 76, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 76, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 76, 56);  
box-shadow:4px 4px 4px 4px rgb(78, 76, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 12.575, 103.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 76, 56) }
```

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

```
.background{ background-color: rgb(78, 76,  
56) }
```

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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