

Converting Colors

CIELCh(32, 19.961, 106.402)

Have a look what the booklet for
CIELCh(32, 19.961, 106.402)
contains.

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Color

CIELCh(32, 19.817, 106.572)

Conversions

Conversions Part 1

Format	Color
Hex	4D4D2D
RGB	77, 77, 45
RGB Percent	30%, 30%, 18%
CMY	0.6978, 0.6978, 0.8233
CMYK	0.00, 0.00, 0.42, 0.70
HSL	60°, 26%, 24%
HSV	60°, 42%, 30%
XYZ	6.1973, 7.0852, 3.5287
YIQ	73.3520, 10.2720, -9.9520

Conversions

Conversions Part 2

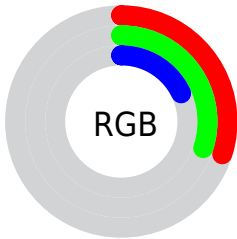
Format	Color
RYB	45, 77, 45
Decimal	5066029
CIELab	32.00, -5.65, 18.99
CIElCh	32, 19.817, 106.572
Yxy	7.0852, 0.3686, 0.4215
Android (android.graphics.Color)	4283256109 (0xFF4D4D2D)
YUV	73.3520, -13.9775, 3.1993
Hunter-Lab	26.6180, -5.0227, 10.7726

Details

The CIELCh color **32, 19.817, 106.572** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **20, 21.801, 295.102**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 20.063, 106.355**, and **12, 18.517, 106.763** is the 20% darker color. If you saturate the color by 10%, you get **32, 24.312, 105.753**, and if you desaturate by 10%, it is **32, 15.160, 107.431**.

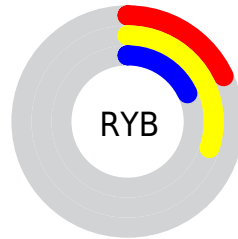
Distribution



Red (30%)

Green (30%)

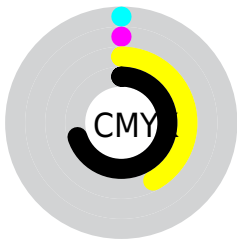
Blue (18%)



Red (18%)

Yellow (30%)

Blue (18%)

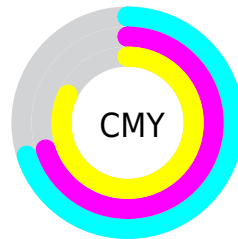


Cyan (0%)

Magenta (0%)

Yellow (42%)

Black (70%)



Cyan (70%)


Magenta (70%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 19.817, 106.572 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, 19.817, 106.572 by changing the saturation by 10% instead.


 32, 19.817,
106.572


 32, 19.817,
106.572

 100, 19.817,
106.572


 22, 19.817,
106.572

 52, 19.817,
106.572


 12, 19.817,
106.572


 62, 19.817,
106.572

 2, 19.817, 106.572

 72, 19.817,
106.572

 0, 19.817, 106.572

 82, 19.817,
106.572

 92, 19.817,
106.572

■ 32, 19.817,
106.572

■ 32, 19.817,
106.572

■ 32, 24.312,
105.753

■ 32, 15.160,
107.431

■ 32, 28.551,
104.984

■ 32, 10.401,
108.302

■ 32, 32.404,
104.296

■ 33, 5.585, 109.175

■ 32, 35.700,
103.717

■ 33, 0.740, 110.004

■ 33, 4.116, 290.906

■ 32, 38.369,
103.256

■ 33, 8.969, 291.729

■ 32, 40.745,
102.853

■ 34, 13.809,
292.528

■ 34, 18.628,
293.295

■ 34, 23.422,

Harmonies

Complementary

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



32, 19.817, 106.572



20, 21.801, 295.102

Rectangle

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



32, 19.817, 106.572



32, 19.817, 156.572



32, 19.817, 286.572



32, 19.817, 336.572

Sweetspot

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



32, 19.818, 106.575



42, 7.176, 109.097



22, 16.011, 22.918



21, 4.799, 109.049



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, 19.818, 106.575



41, 29.124, 105.732



31, 21.334, 127.313



15, 2.687, 109.424



42, 49.451, 102.853



88, 89.489, 102.853

Inverse Universe

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



20, 21.801, 295.102



23, 33.062, 296.822



22, 22.509, 310.934



14, 2.738, 290.978



9, 68.283, 306.287



29, 123.569, 306.287

Previews

White Background



This preview shows how the CIELCh color 32, 19.817, 106.572 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, 19.817, 106.572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

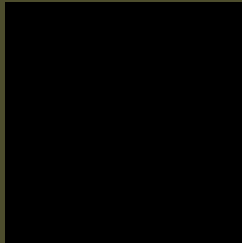
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

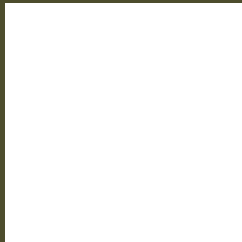
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 32, 19.817, 106.572

Background



This preview shows how black text looks on a background with the CIELCh color 32, 19.817, 106.572.



This preview shows how white text looks on a background with the CIELCh color 32, 19.817, 106.572.

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, 19.817, 106.572

Protanopia

32, 19.627, 96.417

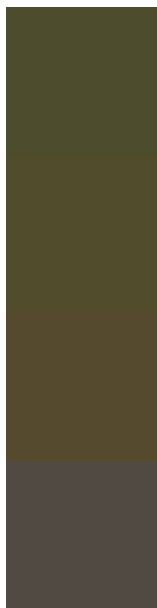
Deuteranopia

32, 19.095, 77.267



Tritanopia
32, 5.167, 332.889

Trichromacy



Original Color
32, 19.817, 106.572

Protanomaly
32, 19.959, 100.854

Deuteranomaly
32, 18.573, 88.209

Tritanomaly
32, 5.200, 77.579

Monochromacy



Original Color
32, 19.817, 106.572

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 6.956, 108.892

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 19.817, 106.572 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(77, 77, 45)` looks like.

```
.text, #text, p{  
    color:rgb(77, 77, 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(77, 77, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 77, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 19.817, 106.572 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(77, 77, 45) }
```

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

```
.border{ border-color:rgb(77, 77, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 77, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 77, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 77, 45);  
box-shadow:4px 4px 4px 4px rgb(77, 77, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 19.817, 106.572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 77, 45) }
```

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

```
.background{ background-color: rgb(77, 77,  
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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