

Converting Colors

CIELCh(32, 20.372, 117.991)

Have a look what the booklet for
CIELCh(32, 20.372, 117.991)
contains.

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Color

CIELCh(32, 20.254, 118.909)

Conversions

Conversions Part 1

Format	Color
Hex	464F2F
RGB	70, 79, 47
RGB Percent	27%, 31%, 18%
CMY	0.7258, 0.6905, 0.8160
CMYK	0.11, 0.00, 0.41, 0.69
HSL	77°, 25%, 25%
HSV	77°, 41%, 31%
XYZ	5.8227, 7.0852, 3.7427
YIQ	72.6610, 4.9080, -11.8600

Conversions

Conversions Part 2

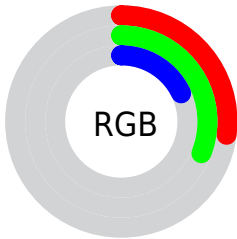
Format	Color
R_{YB}	47, 79, 56
Decimal	4607791
CIE _{Lab}	32.00, -9.79, 17.73
CIE _{LCh}	32, 20.254, 118.909
Yxy	7.0852, 0.3497, 0.4255
Android (android.graphics.Color)	4282797871 (0xFF464F2F)
YUV	72.6610, -12.6509, -2.3337
Hunter-Lab	26.6180, -7.5345, 10.2960

Details

The CIELCh color **32, 20.254, 118.909** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **22, 21.895, 303.799**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 20.419, 118.549**, and **12, 20.478, 119.361** is the 20% darker color. If you saturate the color by 10%, you get **32, 25.005, 118.414**, and if you desaturate by 10%, it is **32, 15.353, 119.447**.

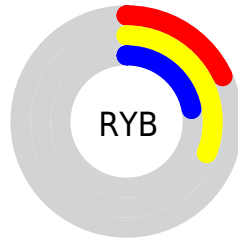
Distribution



Red (27%)

Green (31%)

Blue (18%)



Red (18%)

Yellow (31%)

Blue (22%)

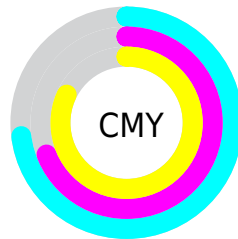


Cyan (11%)

Magenta (0%)

Yellow (41%)

Black (69%)



Cyan (73%)


Magenta (69%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 20.254, 118.909 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, 20.254, 118.909 by changing the saturation by 10% instead.


 32, 20.254,
118.909


 32, 20.254,
118.909

 100, 20.254,
118.909


 22, 20.254,
118.909

 52, 20.254,
118.909


 12, 20.254,
118.909


 62, 20.254,
118.909

 2, 20.254, 118.909

 72, 20.254,
118.909

 0, 20.254, 118.909

 82, 20.254,
118.909

 92, 20.254,
118.909

■ 32, 20.254,
118.909

■ 32, 20.254,
118.909

■ 32, 25.005,
118.414

■ 32, 15.353,
119.447

■ 31, 29.517,
117.991

■ 33, 10.362,
119.996

■ 31, 33.666,
117.692

■ 33, 5.323, 120.543

■ 31, 37.289,
117.586

■ 34, 0.267, 121.150

■ 34, 4.785, 301.575

■ 31, 40.256,
117.722

■ 34, 9.817, 302.061

■ 31, 43.134,
117.735

■ 35, 14.818,
302.518

■ 36, 19.778,
302.946

■ 36, 24.690,

Harmonies

Complementary

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



32, 20.254, 118.909



22, 21.895, 303.799

Rectangle

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



32, 20.254, 118.909



32, 20.254, 168.909



32, 20.254, 298.909



32, 20.254, 348.909

Sweetspot

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



32, 20.255, 118.911



43, 7.494, 120.440



26, 13.156, 46.001



21, 4.908, 120.413



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, 20.255, 118.911



41, 29.966, 118.405



31, 22.959, 135.871



15, 2.747, 120.647



39, 51.638, 118.199



84, 93.969, 119.158

Inverse Universe

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



22, 21.895, 303.799



25, 33.188, 304.662



23, 23.414, 319.391



14, 2.792, 301.567



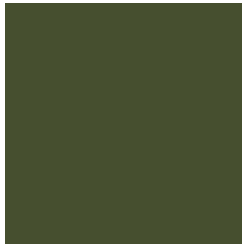
11, 66.029, 308.599



31, 120.482, 307.973

Previews

White Background



This preview shows how the CIELCh color 32, 20.254, 118.909 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, 20.254, 118.909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

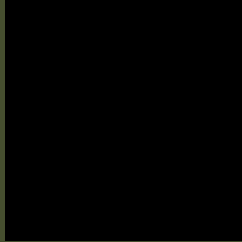
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 20.254, 118.909

Background



This preview shows how black text looks on a background with the CIELCh color 32, 20.254, 118.909.



This preview shows how white text looks on a background with the CIELCh color 32, 20.254, 118.909.

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

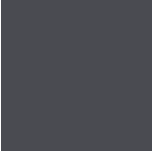
32, 20.254, 118.909

Protanopia

32, 18.437, 96.038

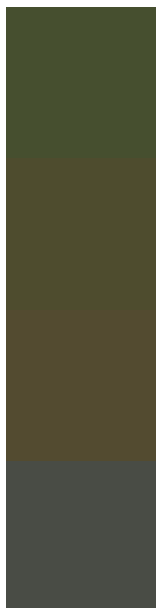
Deuteranopia

32, 17.459, 74.818



Tritanopia
32, 3.820, 284.534

Trichromacy



Original Color
32, 20.254, 118.909

Protanomaly
32, 18.682, 103.751

Deuteranomaly
32, 17.353, 93.976

Tritanomaly
32, 4.627, 126.154

Monochromacy



Original Color
32, 20.254, 118.909

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 7.091, 119.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 20.254, 118.909 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(70, 79, 47)` looks like.

```
.text, #text, p{  
    color:rgb(70, 79, 47)  
}
```

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(70, 79, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 79, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 20.254, 118.909 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(70, 79, 47) }
```

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

```
.border{ border-color:rgb(70, 79, 47) }
```

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

Here you see how a box with a 4 pixel rgb(70, 79, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 79, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 79, 47);  
box-shadow:4px 4px 4px 4px rgb(70, 79, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 20.254, 118.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 79, 47) }
```

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

```
.background{ background-color: rgb(70, 79,  
47) }
```

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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