

Converting Colors

CIELCh(33, 18.051, 119.281)

Have a look what the booklet for
CIELCh(33, 18.051, 119.281)
contains.

CIELCh(33, 18.320, 118.930)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(33, 18.320, 118.930)

Conversions

Conversions Part 1

Format	Color
Hex	495134
RGB	73, 81, 52
RGB Percent	29%, 32%, 20%
CMY	0.7140, 0.6826, 0.7963
CMYK	0.10, 0.00, 0.36, 0.68
HSL	77°, 22%, 26%
HSV	77°, 36%, 32%
XYZ	6.2995, 7.5373, 4.3648
YIQ	75.3020, 4.5410, -10.7150

Conversions

Conversions Part 2

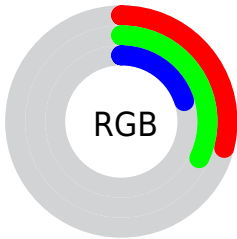
Format	Color
R_{YB}	52, 81, 60
Decimal	4804916
CIE Lab	33.00, -8.86, 16.03
CIE LCh	33, 18.320, 118.930
Yxy	7.5373, 0.3461, 0.4141
Android (android.graphics.Color)	4282994996 (0xFF495134)
YUV	75.3020, -11.4879, -2.0189
Hunter-Lab	27.4541, -7.0870, 9.7915

Details

The CIELCh color $33, 18.320, 118.930$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $24, 19.613, 303.254$, and the grayscale version is $32, 0.005, 296.813$.

A 20% lighter version of the original color is $53, 18.065, 118.796$, and $13, 18.145, 118.683$ is the 20% darker color. If you saturate the color by 10%, you get $33, 23.246, 118.408$, and if you desaturate by 10%, it is $33, 13.272, 119.483$.

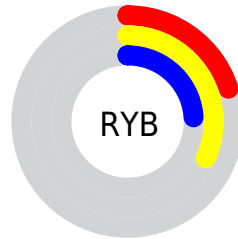
Distribution



 Red (29%)

 Green (32%)

 Blue (20%)



 Red (20%)

 Yellow (32%)

 Blue (24%)

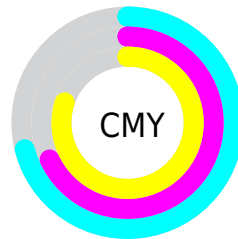


 Cyan (10%)

 Magenta (0%)

 Yellow (36%)

 Black (68%)



 Cyan (71%)


 Magenta (68%)


 Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 18.320, 118.930 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 33, 18.320, 118.930 by changing the saturation by 10% instead.


 33, 18.320,
118.930


 33, 18.320,
118.930

 100, 18.320,
118.930


 23, 18.320,
118.930

 53, 18.320,
118.930


 13, 18.320,
118.930


 63, 18.320,
118.930

 3, 18.320, 118.930

 73, 18.320,
118.930

 0, 18.320, 118.930

 83, 18.320,
118.930

 93, 18.320,
118.930

■ 33, 18.320,
118.930

■ 33, 18.320,
118.930

■ 33, 23.246,
118.408

■ 33, 13.272,
119.483

■ 32, 27.970,
117.939

■ 34, 8.154, 120.039

■ 32, 32.385,
117.572

■ 34, 3.001, 120.590

■ 35, 2.158, 301.102

■ 32, 36.339,
117.365

■ 35, 7.306, 301.614

■ 32, 39.646,
117.394

■ 36, 12.428,
302.092

■ 31, 42.529,
117.541

■ 36, 17.513,
302.542

■ 31, 43.831,
117.530

■ 37, 22.553,
302.962

■ 37, 27.543,

Harmonies

Complementary

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



33, 18.320, 118.930



24, 19.613, 303.254

Rectangle

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



33, 18.320, 118.930



33, 18.320, 168.930



33, 18.320, 298.930



33, 18.320, 348.930

Sweetspot

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



33, 18.321, 118.932



44, 7.005, 120.285



27, 11.675, 46.090



22, 4.745, 120.246



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33, 18.321, 118.932



42, 26.986, 118.476



32, 20.755, 136.127



16, 2.900, 120.431



40, 52.479, 117.978



85, 94.607, 118.895

Inverse Universe

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



24, 19.613, 303.254



28, 29.469, 303.971



25, 21.126, 319.218



15, 2.949, 301.376



11, 67.273, 308.501



32, 121.604, 307.905

Previews

White Background



This preview shows how the CIELCh color 33, 18.320, 118.930 looks on a white background.

Color Contrast Check

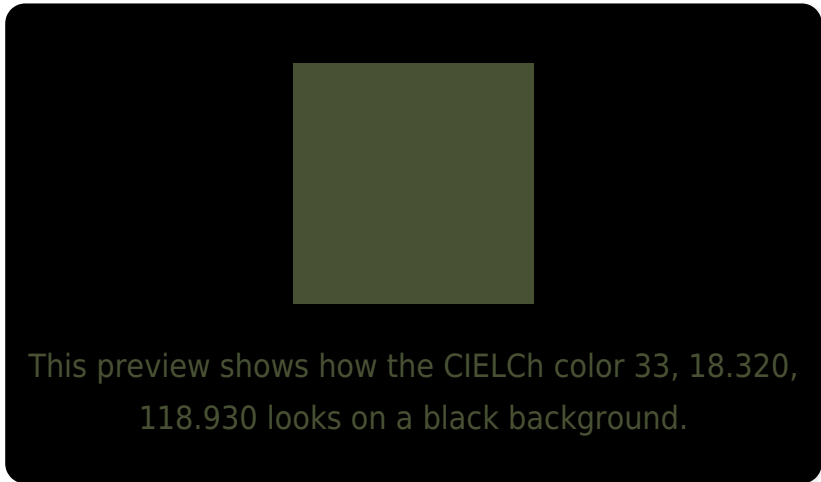
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

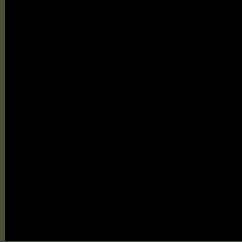
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

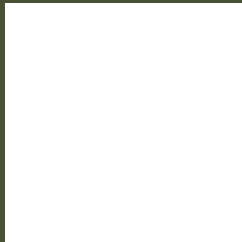
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 18.320, 118.930

Background



This preview shows how black text looks on a background with the CIELCh color 33, 18.320, 118.930.

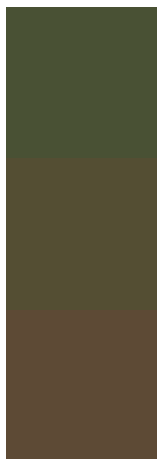


This preview shows how white text looks on a background with the CIELCh color 33, 18.320, 118.930.

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


33, 18.320, 118.930

Protanopia

33, 17.039, 97.324

Deuteranopia

33, 16.298, 72.969



Tritanopia
33, 3.787, 290.849

Trichromacy



Original Color
33, 18.320, 118.930

Protanomaly
33, 17.355, 105.491

Deuteranomaly
33, 15.627, 91.276

Tritanomaly
33, 3.878, 122.683

Monochromacy



Original Color
33, 18.320, 118.930

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 6.445, 121.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 18.320, 118.930 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(73, 81, 52)` looks like.

```
.text, #text, p{  
    color:rgb(73, 81, 52)  
}
```

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(73, 81, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 81, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 18.320, 118.930 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(73, 81, 52) }
```

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

```
.border{ border-color:rgb(73, 81, 52) }
```

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

Here you see how a box with a 4 pixel rgb(73, 81, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 81, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 81, 52);  
box-shadow:4px 4px 4px 4px rgb(73, 81, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 18.320, 118.930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 81, 52) }
```

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

```
.background{ background-color: rgb(73, 81,  
52) }
```

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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