

Converting Colors

CIELCh(33, 10.852, 124.660)

Have a look what the booklet for
CIELCh(33, 10.852, 124.660)
contains.

CIELCh(33, 11.104, 124.981)	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, 11.104, 124.981)

Conversions

Conversions Part 1

Format	Color
Hex	49503F
RGB	73, 80, 63
RGB Percent	29%, 31%, 25%
CMY	0.7132, 0.6858, 0.7525
CMYK	0.09, 0.00, 0.21, 0.69
HSL	85°, 12%, 28%
HSV	85°, 21%, 31%
XYZ	6.5355, 7.5373, 5.8307
YIQ	75.9690, 1.2850, -6.7710

Conversions

Conversions Part 2

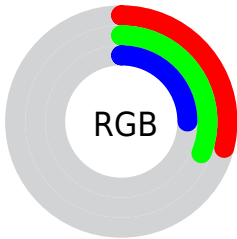
Format	Color
RYB	63, 80, 70
Decimal	4804671
CIELab	33.00, -6.37, 9.10
CIELCh	33, 11.104, 124.981
Yxy	7.5373, 0.3284, 0.3787
Android (android.graphics.Color)	4282994751 (0xFF49503F)
YUV	75.9690, -6.3937, -2.6038
Hunter-Lab	27.4541, -5.5524, 6.6258

Details

The CIELCh color **33, 11.104, 124.981** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **28, 11.459, 306.938**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 10.765, 124.428**, and **13, 11.212, 126.378** is the 20% darker color. If you saturate the color by 10%, you get **33, 16.297, 124.516**, and if you desaturate by 10%, it is **33, 5.873, 125.445**.

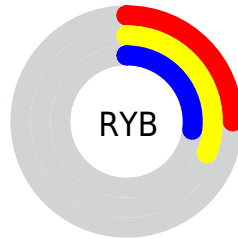
Distribution



Red (29%)

Green (31%)

Blue (25%)



Red (25%)

Yellow (31%)

Blue (27%)

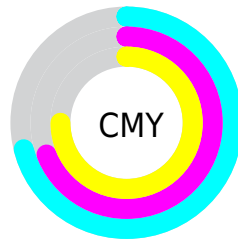


Cyan (9%)

Magenta (0%)

Yellow (21%)

Black (69%)



Cyan (71%)


Magenta (69%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 11.104, 124.981 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, 11.104, 124.981 by changing the saturation by 10% instead.


 33, 11.104,
124.981


 33, 11.104,
124.981

 100, 11.104,
124.981


 23, 11.104,
124.981

 53, 11.104,
124.981


 13, 11.104,
124.981


 63, 11.104,
124.981

 3, 11.104, 124.981

 73, 11.104,
124.981

 0, 11.104, 124.981

 83, 11.104,
124.981

 93, 11.104,
124.981

■ 33, 11.104,
124.981

■ 33, 11.104,
124.981

■ 33, 16.297,
124.516

■ 33, 5.873, 125.445

■ 32, 21.404,
124.059

■ 34, 0.635, 125.950

■ 32, 26.360,
123.637

■ 35, 4.585, 306.284

■ 31, 31.075,
123.292

■ 36, 14.909,
307.039

■ 31, 35.418,
123.079

■ 36, 19.990,
307.371

■ 31, 39.224,
123.078

■ 37, 25.006,
307.675

■ 31, 42.380,
123.333

■ 38, 29.953,
307.953

■ 30, 45.227,

■ 39, 34.827,

123.388

308.206

Harmonies

Complementary

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



33, 11.104, 124.981



28, 11.459, 306.938

Rectangle

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



33, 11.104, 124.981



33, 11.104, 174.981



33, 11.104, 304.981



33, 11.104, 354.981

Sweetspot

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



33, 11.105, 124.984



44, 3.908, 125.675



31, 6.440, 61.916



22, 2.613, 125.661



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, 11.105, 124.984



43, 16.284, 124.765



32, 12.724, 140.650



16, 2.968, 125.559



40, 54.635, 123.961



83, 98.866, 125.062

Inverse Universe

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



28, 11.459, 306.938



35, 16.926, 307.190



29, 12.782, 322.641



15, 3.010, 306.311



13, 65.598, 310.660



35, 118.586, 309.924

Previews

White Background



This preview shows how the CIELCh color 33, 11.104, 124.981 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 33, 11.104, 124.981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

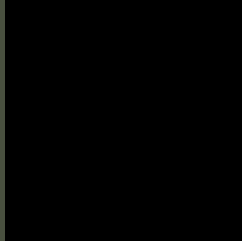
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

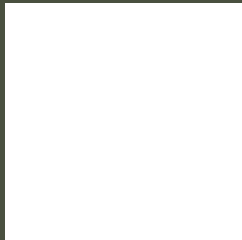
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 11.104, 124.981

Background



This preview shows how black text looks on a background with the CIELCh color 33, 11.104, 124.981.

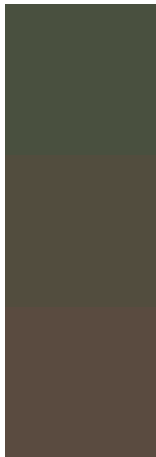


This preview shows how white text looks on a background with the CIELCh color 33, 11.104, 124.981.

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

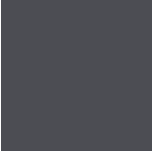
33, 11.104, 124.981

Protanopia

33, 9.691, 94.552

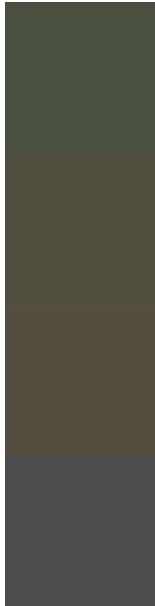
Deuteranopia

33, 9.927, 63.779



Tritanopia
33, 3.803, 284.515

Trichromacy



Original Color

33, 11.104, 124.981

Protanomaly

33, 10.020, 105.735

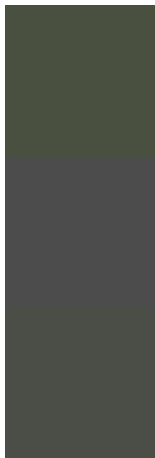
Deuteranomaly

33, 8.784, 86.981

Tritanomaly

33, 1.819, 155.521

Monochromacy



Original Color

33, 11.104, 124.981

Achromatopsia

32, 0.005, 296.813

Achromatomaly

33, 4.606, 126.163

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 11.104, 124.981 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, 80, 63)` looks like.

```
.text, #text, p{  
    color:rgb(73, 80, 63)  
}
```

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, 80, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 80, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 11.104, 124.981 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, 80, 63) }
```

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

```
.border{ border-color:rgb(73, 80, 63) }
```

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

Here you see how a box with a 4 pixel rgb(73, 80, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 80, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 80, 63);  
box-shadow:4px 4px 4px 4px rgb(73, 80, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 11.104, 124.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 80, 63) }
```

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

```
.background{ background-color: rgb(73, 80,  
63) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor