

Converting Colors

CIELCh(33, 5.441, 149.533)

Have a look what the booklet for
CIELCh(33, 5.441, 149.533) contains.

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Color

CIELCh(33, 5.644, 147.509)

Conversions

Conversions Part 1

Format	Color
Hex	485049
RGB	72, 80, 73
RGB Percent	28%, 31%, 29%
CMY	0.7188, 0.6874, 0.7149
CMYK	0.10, 0.00, 0.09, 0.69
HSL	128°, 5%, 30%
HSV	128°, 10%, 31%
XYZ	6.6904, 7.5373, 7.3546
YIQ	76.8100, -2.5210, -3.8730

Conversions

Conversions Part 2

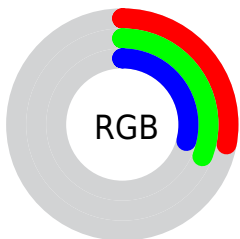
Format	Color
RYB	72, 79, 80
Decimal	4739145
CIELab	33.00, -4.76, 3.03
CIElCh	33, 5.644, 147.509
Yxy	7.5373, 0.3100, 0.3492
Android (android.graphics.Color)	4282929225 (0xFF485049)
YUV	76.8100, -1.8783, -4.2184
Hunter-Lab	27.4541, -4.5455, 3.3348




Details

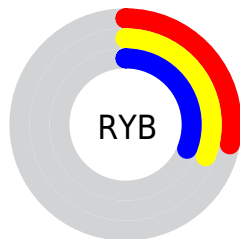
The CIELCh color **33, 5.644, 147.509** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **31, 5.658, 328.551**, and the grayscale version is **33, 0.005, 296.813**.




A 20% lighter version of the original color is **53, 5.435, 150.924**, and **13, 5.550, 147.652** is the 20% darker color. If you saturate the color by 10%, you get **32, 11.322, 146.850**, and if you desaturate by 10%, it is **34, 0.014, 158.724**.

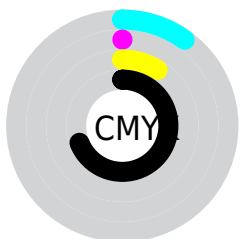
Distribution







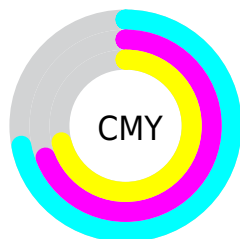
-  Red (28%)
-  Green (31%)
-  Blue (29%)






-  Red (28%)
-  Yellow (31%)
-  Blue (31%)



-  Cyan (10%)
-  Magenta (0%)
-  Yellow (9%)
-  Black (69%)



-  Cyan (72%)
-  Magenta (69%)
-  Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 5.644, 147.509 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, 5.644, 147.509 by changing the saturation by 10% instead.

■ 33, 5.644, 147.509

■ 33, 5.644, 147.509

■ 100, 5.644,
147.509

■ 23, 5.644, 147.509

■ 53, 5.644, 147.509

■ 13, 5.644, 147.509

■ 63, 5.644, 147.509

■ 3, 5.644, 147.509

■ 73, 5.644, 147.509

■ 0, 5.644, 147.509

■ 83, 5.644, 147.509

■ 93, 5.644, 147.509

■ 33, 5.644, 147.509

■ 33, 5.644, 147.509

■ 32, 11.322,
146.850

■ 34, 0.014, 158.724

31, 16.987,
146.102

35, 5.528, 328.503

31, 22.564,
145.246

36, 10.950,
328.942

30, 27.963,
144.274

37, 16.232,
329.318

30, 33.076,
143.182

38, 21.361,
329.648

29, 37.784,
141.981

39, 26.334,
329.938

29, 41.959,
140.702

41, 31.149,
330.195

29, 45.487,
139.420

42, 35.808,
330.424

29, 48.474,
138.553

43, 40.317,
330.630

Harmonies

Complementary

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



33, 5.644, 147.509



31, 5.658, 328.551

Rectangle

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



33, 5.644, 147.509



33, 5.644, 197.509



33, 5.644, 327.509



33, 5.644, 17.509

Sweetspot

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



33, 5.645, 147.509



44, 2.100, 147.964



34, 5.019, 114.045



22, 1.606, 147.916



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, 5.645, 147.509



43, 8.462, 147.356



33, 3.956, 169.691



16, 3.204, 147.589



38, 59.327, 137.970



81, 108.735, 137.063

Inverse Universe

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



31, 5.658, 328.551



41, 8.480, 328.686



31, 4.034, 351.228



15, 3.211, 328.479



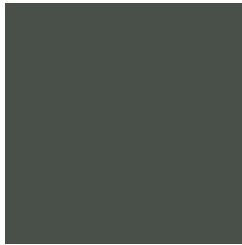
23, 54.679, 333.597



53, 97.430, 334.024

Previews

White Background



This preview shows how the CIELCh color 33, 5.644, 147.509 looks on a white background.

Color Contrast Check

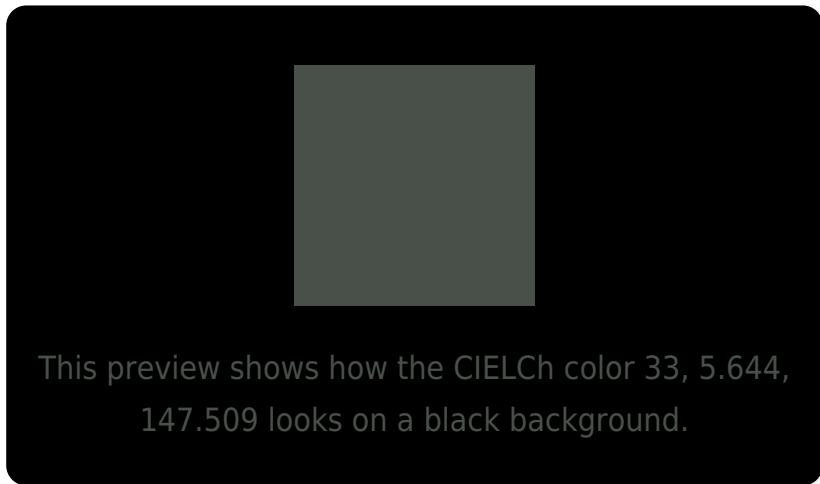
Large Text (above 18pt) WCAG AA ✓ Pass

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

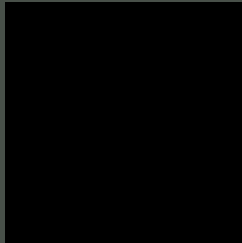
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 5.644, 147.509

Background



This preview shows how black text looks on a background with the CIELCh color 33, 5.644, 147.509.



This preview shows how white text looks on a background with the CIELCh color 33, 5.644, 147.509.

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, 5.644, 147.509

Protanopia

33, 3.995, 89.828

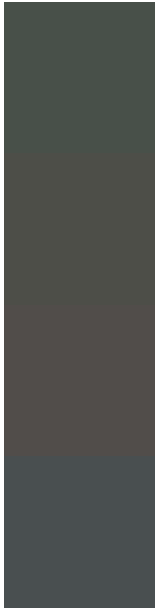
Deuteranopia

33, 4.961, 27.344



Tritanopia
33, 4.098, 266.924

Trichromacy



Original Color

33, 5.644, 147.509

Protanomaly

33, 3.796, 116.209

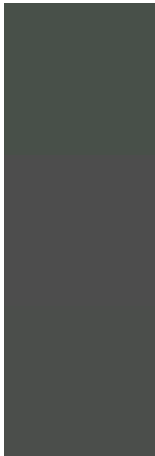
Deuteranomaly

33, 2.578, 66.372

Tritanomaly

33, 2.601, 213.191

Monochromacy



Original Color

33, 5.644, 147.509

Achromatopsia

33, 0.005, 296.813

Achromatomaly

33, 2.306, 144.304

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 5.644, 147.509 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(72, 80, 73)` looks like.

```
.text, #text, p{  
    color:rgb(72, 80, 73)  
}
```

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(72, 80, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 80, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 5.644, 147.509 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(72, 80, 73) }
```

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

```
.border{ border-color:rgb(72, 80, 73) }
```

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

Here you see how a box with a 4 pixel rgb(72, 80, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 80, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 80, 73);  
box-shadow:4px 4px 4px 4px rgb(72, 80, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 5.644, 147.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 80, 73) }
```

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

```
.background{ background-color: rgb(72, 80,  
73) }
```

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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