

Converting Colors

CIELCh(33, 7.004, 314.625)

Have a look what the booklet for
CIELCh(33, 7.004, 314.625) contains.

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Color

CIELCh(33, 7.006, 316.170)

Conversions

Conversions Part 1

Format	Color
Hex	524B55
RGB	82, 75, 85
RGB Percent	32%, 29%, 33%
CMY	0.6773, 0.7048, 0.6655
CMYK	0.04, 0.12, 0.00, 0.67
HSL	282°, 6%, 31%
HSV	282°, 12%, 33%
XYZ	7.6907, 7.5373, 9.7035
YIQ	78.2330, 0.9620, 4.5940

Conversions

Conversions Part 2

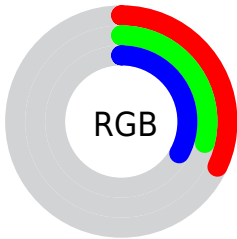
Format	Color
R_{YB}	82, 75, 85
Decimal	5393237
CIE Lab	33.00, 5.05, -4.85
CIE LCh	33, 7.006, 316.170
Yxy	7.5373, 0.3085, 0.3023
Android (android.graphics.Color)	4283583317 (0xFF524B55)
YUV	78.2330, 3.3361, 3.3037
Hunter-Lab	27.4541, 1.9581, -1.7379

Details

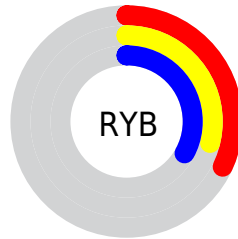
The CIELCh color **33, 7.006, 316.170** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **35, 6.943, 135.283**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 6.967, 313.993**, and **13, 7.110, 315.413** is the 20% darker color. If you saturate the color by 10%, you get **30, 13.091, 316.572**, and if you desaturate by 10%, it is **36, 1.026, 315.704**.

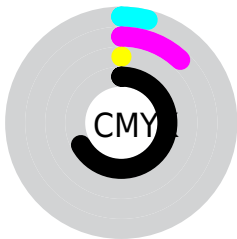
Distribution



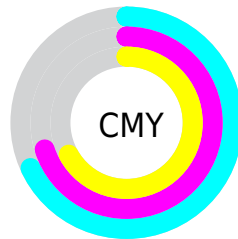
- Red (32%)
- Green (29%)
- Blue (33%)



- Red (32%)
- Yellow (29%)
- Blue (33%)



- Cyan (4%)
- Magenta (12%)
- Yellow (0%)
- Black (67%)



- Cyan (68%)
- Magenta (70%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 7.006, 316.170 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, 7.006, 316.170 by changing the saturation by 10% instead.

■ 33, 7.006, 316.170

■ 33, 7.006, 316.170

■ 100, 7.006,
316.170

■ 23, 7.006, 316.170

■ 53, 7.006, 316.170

■ 13, 7.006, 316.170

■ 63, 7.006, 316.170

■ 3, 7.006, 316.170

■ 73, 7.006, 316.170

■ 0, 7.006, 316.170

■ 83, 7.006, 316.170

■ 93, 7.006, 316.170

■ 33, 7.006, 316.170

■ 33, 7.006, 316.170

■ 30, 13.091,
316.572

■ 36, 1.026, 315.704

28, 19.240,
316.975

39, 4.819, 135.456

25, 25.383,
317.365

41, 10.518,
135.105

22, 31.410,
317.722

44, 16.065,
134.787

20, 37.167,
318.016

47, 21.461,
134.496

18, 42.444,
318.209

50, 26.708,
134.232

16, 46.985,
318.254

53, 31.812,
133.993

15, 50.624,
318.126

55, 36.778,
133.777

13, 53.733,
318.094

58, 41.614,
133.583

Harmonies

Complementary

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



33, 7.006, 316.170



35, 6.943, 135.283

Rectangle

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



33, 7.006, 316.170



33, 7.006, 6.170



33, 7.006, 136.170



33, 7.006, 186.170

Sweetspot

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



33, 7.005, 316.169



45, 2.919, 315.850



33, 4.473, 273.865



23, 2.092, 315.874



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



33, 7.005, 316.169



42, 10.313, 316.279



33, 6.723, 330.588



16, 3.378, 316.050



18, 63.076, 317.829



44, 112.522, 317.220

Inverse Universe

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



33, 4.783, 356.936



42, 7.060, 357.207



35, 6.703, 149.280



16, 2.300, 356.646



21, 45.633, 17.974



50, 82.758, 22.066

Previews

White Background



This preview shows how the CIELCh color 33, 7.006, 316.170 looks on a white background.

Color Contrast Check

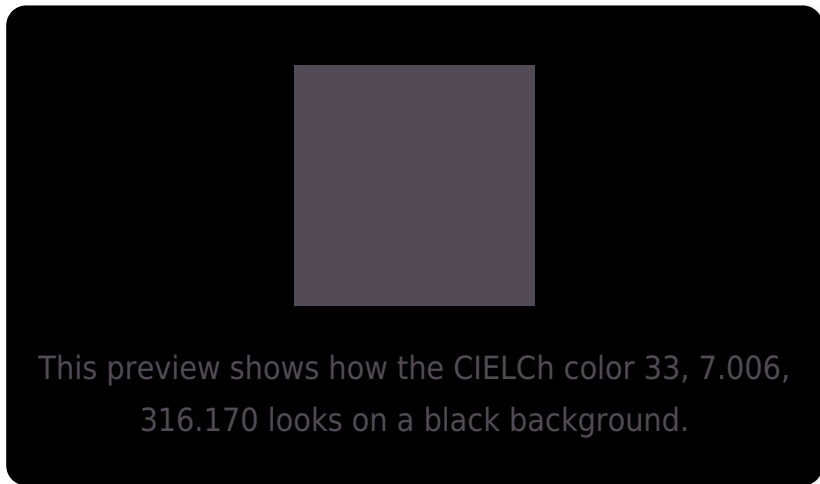
Large Text (above 18pt) WCAG AA ✓ Pass

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

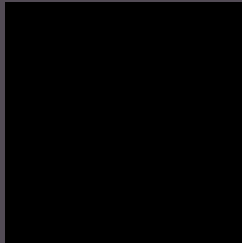
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 7.006, 316.170

Background



This preview shows how black text looks on a background with the CIELCh color 33, 7.006, 316.170.



This preview shows how white text looks on a background with the CIELCh color 33, 7.006, 316.170.

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, 7.006, 316.170

Protanopia

33, 5.686, 287.005

Deuteranopia

33, 6.245, 315.057



Tritanopia
33, 4.598, 324.777

Trichromacy



Original Color

33, 7.006, 316.170

Protanomaly

33, 6.386, 298.759

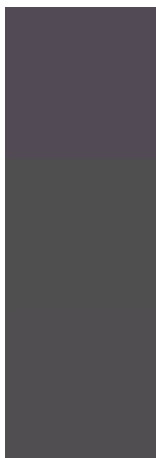
Deuteranomaly

33, 6.245, 315.057

Tritanomaly

33, 5.128, 320.824

Monochromacy



Original Color

33, 7.006, 316.170

Achromatopsia

34, 0.005, 296.813

Achromatomaly

33, 2.086, 314.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 7.006, 316.170 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(82, 75, 85)` looks like.

```
.text, #text, p{  
    color:rgb(82, 75, 85)  
}
```

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(82, 75, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 75, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 7.006, 316.170 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(82, 75, 85) }
```

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

```
.border{ border-color:rgb(82, 75, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 75, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 75, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 75, 85);  
box-shadow:4px 4px 4px 4px rgb(82, 75, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 7.006, 316.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 75, 85) }
```

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

```
.background{ background-color: rgb(82, 75,  
85) }
```

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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