

Converting Colors

CIELCh(33, 31.529, 100.723)

Have a look what the booklet for
CIELCh(33, 31.529, 100.723)
contains.

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Color

CIELCh(33, 31.455, 100.849)

Conversions

Conversions Part 1

Format	Color
Hex	534F1A
RGB	83, 79, 26
RGB Percent	33%, 31%, 10%
CMY	0.6738, 0.6896, 0.8974
CMYK	0.00, 0.05, 0.69, 0.67
HSL	56°, 52%, 21%
HSV	56°, 69%, 33%
XYZ	6.5782, 7.5373, 2.0947
YIQ	74.1540, 19.3970, -15.6350

Conversions

Conversions Part 2

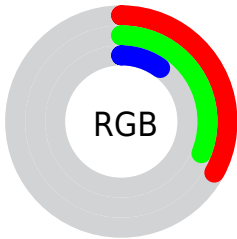
Format	Color
RYB	30, 83, 26
Decimal	5459738
CIELab	33.00, -5.92, 30.89
CIELCh	33, 31.455, 100.849
Yxy	7.5373, 0.4058, 0.4650
Android (android.graphics.Color)	4283649818 (0xFF534F1A)
YUV	74.1540, -23.7399, 7.7579
Hunter-Lab	27.4541, -5.2746, 14.6942

Details

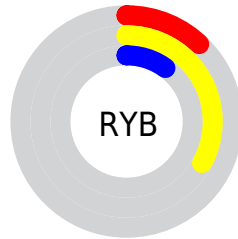
The CIELCh color **33, 31.455, 100.849** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **14, 37.254, 297.734**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 31.697, 101.213**, and **13, 19.843, 104.429** is the 20% darker color. If you saturate the color by 10%, you get **33, 35.015, 100.052**, and if you desaturate by 10%, it is **33, 27.391, 101.717**.

Distribution



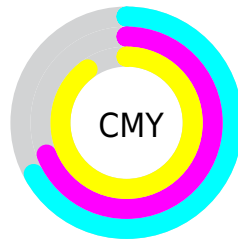
- Red (33%)
- Green (31%)
- Blue (10%)



- Red (12%)
- Yellow (33%)
- Blue (10%)



- Cyan (0%)
- Magenta (5%)
- Yellow (69%)
- Black (67%)





- Cyan (67%)
- Magenta (69%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 31.455, 100.849 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, 31.455, 100.849 by changing the saturation by 10% instead.


 33, 31.455,
100.849


 33, 31.455,
100.849

 100, 31.455,
100.849


 23, 31.455,
100.849

 53, 31.455,
100.849


 13, 31.455,
100.849


 63, 31.455,
100.849

 3, 31.455, 100.849

 73, 31.455,
100.849

 0, 31.455, 100.849

 83, 31.455,
100.849

 93, 31.455,
100.849

■ 33, 31.455,
100.849

■ 33, 31.455,
100.849

■ 33, 35.015,
100.052

■ 33, 27.391,
101.717

■ 33, 37.852, 99.336

■ 34, 22.999,
102.627

■ 32, 40.529, 98.661

■ 34, 18.405,
103.566

■ 32, 40.957, 98.563

■ 34, 13.692,
104.516

■ 35, 8.915, 105.465

■ 35, 4.109, 106.399

■ 35, 0.704, 287.403

■ 36, 5.509, 288.239

■ 36, 10.296,

Harmonies

Complementary

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



33, 31.455, 100.849



14, 37.254, 297.734

Rectangle

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



33, 31.455, 100.849



33, 31.455, 150.849



33, 31.455, 280.849



33, 31.455, 330.849

Sweetspot

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



33, 31.455, 100.852



44, 12.433, 105.166



19, 29.139, 22.324



22, 8.314, 105.029



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, 31.455, 100.852



42, 43.967, 99.598



32, 35.393, 123.300



16, 2.644, 106.385



41, 47.953, 98.424



85, 85.722, 98.094

Inverse Universe

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



14, 37.254, 297.734



15, 55.880, 301.360



16, 39.799, 309.848



15, 2.689, 288.059



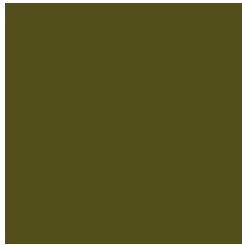
10, 65.532, 304.654



30, 121.566, 305.607

Previews

White Background



This preview shows how the CIELCh color 33, 31.455, 100.849 looks on a white background.

Color Contrast Check

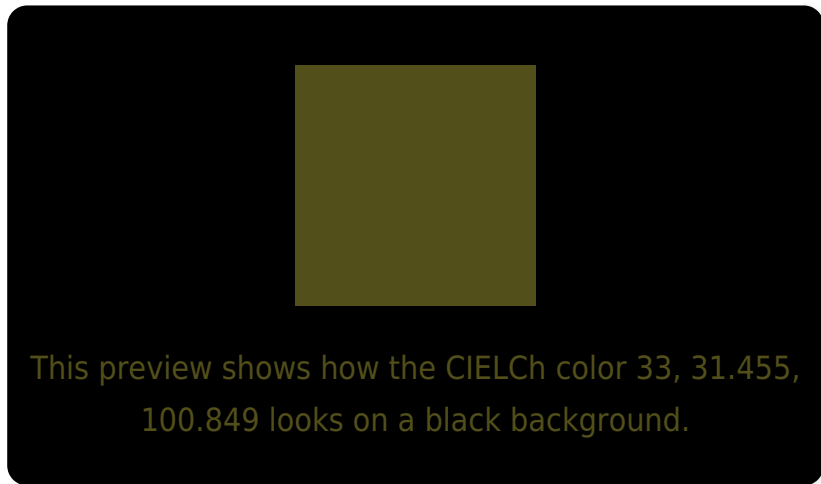
Large Text (above 18pt) WCAG AA ✓ Pass

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

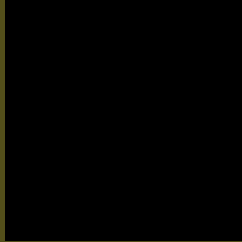
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 31.455, 100.849

Background



This preview shows how black text looks on a background with the CIELCh color 33, 31.455, 100.849.



This preview shows how white text looks on a background with the CIELCh color 33, 31.455, 100.849.

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, 31.455, 100.849

Protanopia

33, 31.295, 96.116

Deuteranopia

33, 30.658, 82.080



Tritanopia
33, 7.194, 348.996

Trichromacy



Original Color
33, 31.455, 100.849

Protanomaly
33, 31.211, 97.051

Deuteranomaly
33, 30.715, 89.172

Tritanomaly
33, 11.133, 83.190

Monochromacy



Original Color
33, 31.455, 100.849

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 11.929, 105.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 31.455, 100.849 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(83, 79, 26)` looks like.

```
.text, #text, p{  
    color:rgb(83, 79, 26)  
}
```

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(83, 79, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 79, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 31.455, 100.849 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(83, 79, 26) }
```

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

```
.border{ border-color:rgb(83, 79, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 79, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 79, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 79, 26);  
box-shadow:4px 4px 4px 4px rgb(83, 79, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 31.455, 100.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 79, 26) }
```

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

```
.background{ background-color: rgb(83, 79,  
26) }
```

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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