

Converting Colors

CIELCh(13, 31.676, 322.332)

Have a look what the booklet for
CIELCh(13, 31.676, 322.332)
contains.

CIELCh(13, 31.545, 322.237)	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(13, 31.545, 322.237)

Conversions

Conversions Part 1

Format	Color
Hex	36133D
RGB	54, 19, 61
RGB Percent	21%, 7%, 24%
CMY	0.7896, 0.9268, 0.7621
CMYK	0.12, 0.69, 0.00, 0.76
HSL	290°, 53%, 16%
HSV	290°, 69%, 24%
XYZ	2.5631, 1.5625, 4.5332
YIQ	34.2530, 7.3780, 20.4820

Conversions

Conversions Part 2

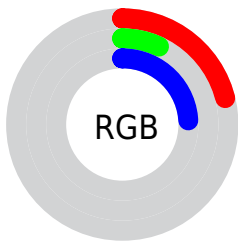
Format	Color
RYB	54, 19, 61
Decimal	3543869
CIELab	13.00, 24.94, -19.32
CIELCh	13, 31.545, 322.237
Yxy	1.5625, 0.2960, 0.1805
Android (android.graphics.Color)	4281733949 (0xFF36133D)
YUV	34.2530, 13.1863, 17.3181
Hunter-Lab	12.5000, 14.7258, -12.7521

Details

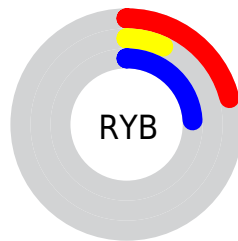
The CIELCh color **13, 31.545, 322.237** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **22, 31.128, 135.998**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 31.607, 321.881**, and **1, 7.046, 287.923** is the 20% darker color. If you saturate the color by 10%, you get **12, 35.125, 322.390**, and if you desaturate by 10%, it is **15, 27.473, 321.992**.

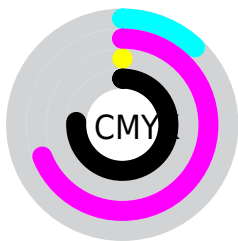
Distribution



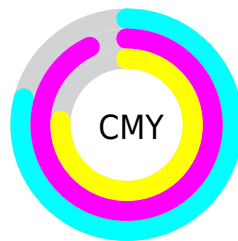
- Red (21%)
- Green (7%)
- Blue (24%)



- Red (21%)
- Yellow (7%)
- Blue (24%)



- Cyan (12%)
- Magenta (69%)
- Yellow (0%)
- Black (76%)



- Cyan (79%)
- Magenta (93%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 31.545, 322.237 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 13, 31.545, 322.237 by changing the saturation by 10% instead.

■ 13, 31.545,
322.237

■ 13, 31.545,
322.237

■ 100, 31.545,
322.237

■ 3, 31.545, 322.237

■ 33, 31.545,
322.237

■ 0, 31.545, 322.237

■ 43, 31.545,
322.237


■ 53, 31.545,
322.237


■ 63, 31.545,
322.237


■ 73, 31.545,
322.237


■ 83, 31.545,


322.237


 93, 31.545,
322.237


 13, 31.545,
322.237

 13, 31.545,
322.237


 12, 35.125,
322.390

 15, 27.473,
321.992


 11, 38.237,
322.464

 16, 23.065,
321.681

 9, 41.655, 322.632

 18, 18.452,
321.324

 9, 41.941, 322.650

 20, 13.737,
320.939

 22, 8.998, 320.540

■ 24, 4.289, 320.132

■ 26, 0.355, 140.028

■ 28, 4.909, 139.406

■ 30, 9.361, 139.036

Harmonies

Complementary

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



13, 31.545, 322.237



22, 31.128, 135.998

Rectangle

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



13, 31.545, 322.237



13, 31.545, 12.237



13, 31.545, 142.237



13, 31.545, 192.237

Sweetspot

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



13, 31.544, 322.237



28, 12.278, 320.650



11, 25.038, 292.148



13, 8.390, 320.688



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



13, 31.544, 322.237



16, 44.617, 322.428



13, 26.068, 340.016



10, 2.599, 320.099



18, 56.567, 322.267



46, 105.552, 321.812

Inverse Universe

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



13, 22.130, 15.267



16, 32.738, 20.487



22, 26.043, 148.780



10, 1.613, 6.376



18, 44.148, 27.473



46, 86.075, 32.497

Previews

White Background



This preview shows how the CIE LCh color 13, 31.545, 322.237 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

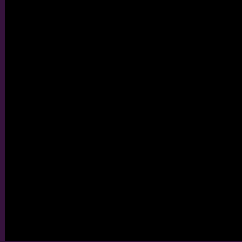
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 31.545, 322.237

Background



This preview shows how black text looks on a background with the CIELCh color 13, 31.545, 322.237.



This preview shows how white text looks on a background with the CIELCh color 13, 31.545, 322.237.

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

13, 31.545, 322.237

Protanopia

13, 26.948, 280.765

Deuteranopia

14, 16.986, 276.215



Tritanopia
14, 11.040, 15.339

Trichromacy



Original Color
13, 31.545, 322.237

Protanomaly
12, 28.144, 293.296

Deuteranomaly
13, 21.659, 299.064

Tritanomaly
13, 16.940, 339.673

Monochromacy



Original Color
13, 31.545, 322.237

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 12.990, 320.495

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 31.545, 322.237 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(54, 19, 61)` looks like.

```
.text, #text, p{  
    color:rgb(54, 19, 61)  
}
```

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(54, 19, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 19, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 31.545, 322.237 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(54, 19, 61) }
```

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

```
.border{ border-color:rgb(54, 19, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 19, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 19, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 19, 61);  
box-shadow:4px 4px 4px 4px rgb(54, 19, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 31.545, 322.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 19, 61) }
```

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

```
.background{ background-color: rgb(54, 19,  
61) }
```

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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