

Converting Colors

CIELCh(18, 32.623, 10.661)

Have a look what the booklet for
CIELCh(18, 32.623, 10.661) contains.

CIELCh(18, 32.456, 10.006)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(18, 32.456, 10.006)

Conversions

Conversions Part 1

Format	Color
Hex	551225
RGB	85, 18, 37
RGB Percent	33%, 7%, 15%
CMY	0.6657, 0.9284, 0.8541
CMYK	0.00, 0.79, 0.56, 0.67
HSL	343°, 65%, 20%
HSV	343°, 79%, 33%
XYZ	4.3256, 2.5180, 2.0241
YIQ	40.1990, 33.8330, 20.1130

Conversions

Conversions Part 2

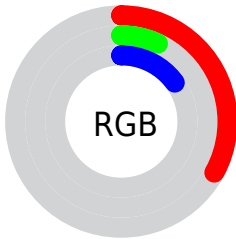
Format	Color
RYB	85, 18, 37
Decimal	5575205
CIELab	18.00, 31.96, 5.64
CIELCh	18, 32.456, 10.006
Yxy	2.5180, 0.4878, 0.2840
Android (android.graphics.Color)	4283765285 (0xFF551225)
YUV	40.1990, -1.5771, 39.2905
Hunter-Lab	15.8683, 20.8882, 3.5449

Details

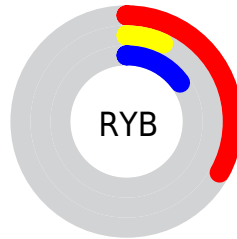
The CIELCh color **18, 32.456, 10.006** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **32, 26.137, 168.501**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 32.250, 10.378**, and **4, 16.910, 18.038** is the 20% darker color. If you saturate the color by 10%, you get **17, 35.446, 13.606**, and if you desaturate by 10%, it is **20, 28.901, 7.104**.

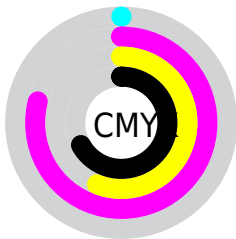
Distribution



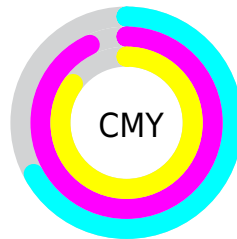
- Red (33%)
- Green (7%)
- Blue (15%)



- Red (33%)
- Yellow (7%)
- Blue (15%)



- Cyan (0%)
- Magenta (79%)
- Yellow (56%)
- Black (67%)



- Cyan (67%)
- Magenta (93%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 32.456, 10.006 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 18, 32.456, 10.006 by changing the saturation by 10% instead.

 18, 32.456, 10.006

 18, 32.456, 10.006

 100, 32.456,
10.006

 8, 32.456, 10.006

 0, 32.456, 10.006

 38, 32.456, 10.006

 48, 32.456, 10.006

 58, 32.456, 10.006

 68, 32.456, 10.006

 78, 32.456, 10.006

 88, 32.456, 10.006

 98, 32.456, 10.006

■ 18, 32.456, 10.006

■ 18, 32.456, 10.006

■ 17, 35.446, 13.606

■ 20, 28.901, 7.104

■ 16, 38.412, 17.212

■ 22, 24.915, 4.765

■ 16, 38.869, 17.669

■ 24, 20.658, 2.865

■ 26, 16.282, 1.297

■ 29, 11.907,
359.979

■ 31, 7.613, 358.846

■ 34, 3.451, 357.833

■ 37, 0.552, 177.529

■ 39, 4.385, 176.355

Harmonies

Complementary

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



18, 32.456, 10.006



32, 26.137, 168.501

Rectangle

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



18, 32.456, 10.006



18, 32.456, 60.006



18, 32.456, 190.006



18, 32.456, 240.006

Sweetspot

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



18, 32.454, 10.008



38, 12.230, 359.528



17, 45.625, 318.769



18, 8.500, 359.790



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



18, 32.454, 10.008



22, 44.788, 17.181



20, 31.746, 42.677



16, 2.281, 357.854



21, 45.940, 19.500



49, 83.524, 23.608

Inverse Universe

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



18, 32.454, 10.008



22, 44.788, 17.181



27, 17.765, 229.843



16, 2.281, 357.854



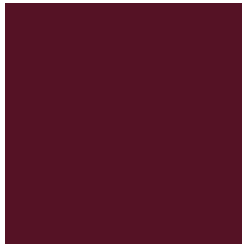
21, 45.940, 19.500



49, 83.524, 23.608

Previews

White Background



This preview shows how the CIE LCh color 18, 32.456, 10.006 looks on a white background.

Color Contrast Check

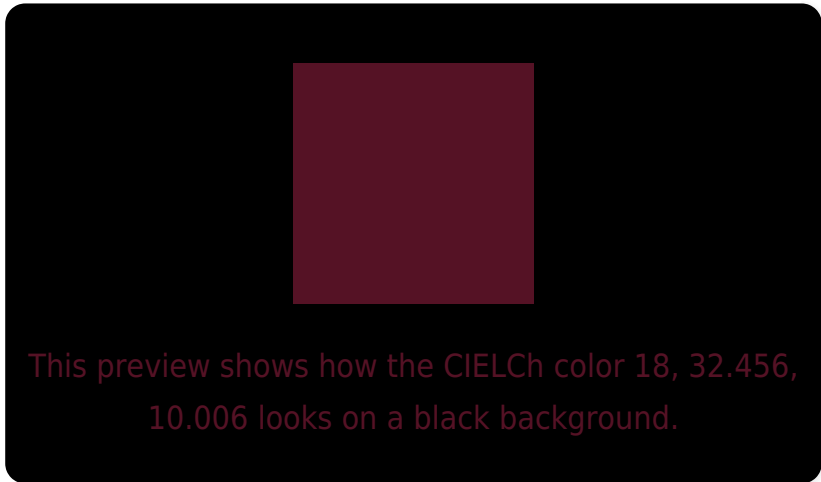
Large Text (above 18pt) WCAG AA ✓ Pass

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

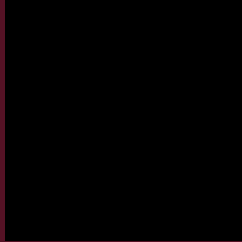
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 32.456, 10.006

Background



This preview shows how black text looks on a background with the CIELCh color 18, 32.456, 10.006.



This preview shows how white text looks on a background with the CIELCh color 18, 32.456, 10.006.

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

18, 32.456, 10.006

Protanopia

19, 3.451, 283.498

Deuteranopia

19, 8.653, 71.521



Tritanopia
18, 33.191, 28.732

Trichromacy



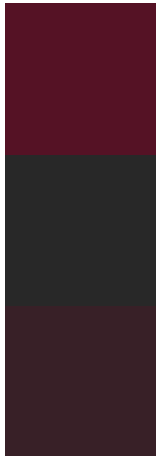
Original Color
18, 32.456, 10.006

Protanomaly
18, 13.305, 352.043

Deuteranomaly
18, 15.599, 23.385

Tritanomaly
18, 32.370, 22.484

Monochromacy



Original Color
18, 32.456, 10.006

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 12.791, 0.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 32.456, 10.006 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(85, 18, 37)` looks like.

```
.text, #text, p{  
    color:rgb(85, 18, 37)  
}
```

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(85, 18, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 18, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 32.456, 10.006 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(85, 18, 37) }
```

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

```
.border{ border-color:rgb(85, 18, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 18, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 18, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 18, 37);  
box-shadow:4px 4px 4px 4px rgb(85, 18, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 32.456, 10.006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 18, 37) }
```

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

```
.background{ background-color: rgb(85, 18,  
37) }
```

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