

Converting Colors

CIELCh(18, 12.963, 313.071)

Have a look what the booklet for
CIELCh(18, 12.963, 313.071)
contains.

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Color

CIELCh(18, 13.240, 312.192)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------|
| Hex | 32283A |
| RGB | 50, 40, 58 |
| RGB Percent | 20%, 16%, 23% |
| CMY | 0.8033, 0.8425, 0.7719 |
| CMYK | 0.14, 0.31, 0.00, 0.77 |
| HSL | 273°, 18%, 19% |
| HSV | 273°, 31%, 23% |
| XYZ | 2.8559, 2.5180, 4.3613 |
| YIQ | 45.0420, 0.1820, 7.7180 |

Conversions

Conversions Part 2

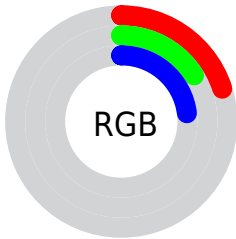
| Format | Color |
|-------------------------------------|-----------------------------|
| R_{YB} | 50, 40, 58 |
| Decimal | 3287098 |
| CIE Lab | 18.00, 8.89, -9.81 |
| CIE LCh | 18, 13.240, 312.192 |
| Yxy | 2.5180, 0.2934, 0.2587 |
| Android (android.graphics.Color) | 4281477178 (0xFF32283A) |
| YUV | 45.0420, 6.3883, 4.3482 |
| Hunter-Lab | 15.8683, 4.3564, -5.1875 |




Details

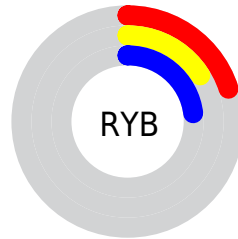
The CIELCh color **18, 13.240, 312.192** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 12.822, 129.786**, and the grayscale version is **19, 0.003, 296.813**.




A 20% lighter version of the original color is **38, 13.156, 311.585**, and **1, 5.946, 287.505** is the 20% darker color. If you saturate the color by 10%, you get **16, 17.658, 312.616**, and if you desaturate by 10%, it is **20, 8.874, 311.777**.

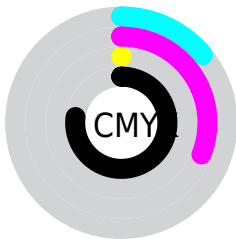
Distribution







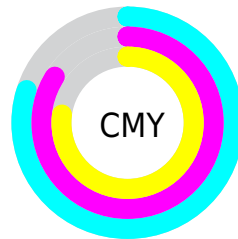
-  Red (20%)
-  Green (16%)
-  Blue (23%)






-  Red (20%)
-  Yellow (16%)
-  Blue (23%)



-  Cyan (14%)
-  Magenta (31%)
-  Yellow (0%)
-  Black (77%)





-  Cyan (80%)
-  Magenta (84%)
-  Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 13.240, 312.192 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, 13.240, 312.192 by changing the saturation by 10% instead.

 18, 13.240,
312.192


 18, 13.240,
312.192


 100, 13.240,
312.192


 8, 13.240, 312.192


 38, 13.240,
312.192

 0, 13.240, 312.192

 48, 13.240,
312.192


 58, 13.240,
312.192


 68, 13.240,
312.192


 78, 13.240,
312.192


 88, 13.240,

312.192


 98, 13.240,
312.192

 18, 13.240,
312.192

 18, 13.240,
312.192


 16, 17.658,
312.616

 20, 8.874, 311.777


 14, 22.087,
313.035

 22, 4.589, 311.377


 24, 0.400, 310.879

 12, 26.453,
313.426

 26, 3.686, 130.697

 10, 30.651,
313.757

 29, 7.665, 130.379

 31, 11.540,
130.094

 9, 34.533, 313.983

■ 7, 38.146, 314.108

■ 33, 15.312,
129.838

■ 6, 41.275, 314.073

■ 35, 18.984,
129.610

■ 37, 22.561,
129.406

Harmonies

Complementary

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



18, 13.240, 312.192



23, 12.822, 129.786

Rectangle

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



18, 13.240, 312.192



18, 13.240, 2.192



18, 13.240, 132.192



18, 13.240, 182.192

Sweetspot

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



18, 13.239, 312.192



30, 4.729, 311.318



20, 7.453, 264.753



14, 3.227, 311.339



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



18, 13.239, 312.192



23, 20.019, 312.524



19, 14.201, 327.294



9, 2.243, 311.272



12, 58.085, 314.009



36, 110.145, 313.110

Inverse Universe

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



19, 10.138, 349.329



24, 15.285, 350.141



23, 14.193, 143.978



9, 1.720, 347.310



18, 40.080, 3.772



47, 75.359, 7.961

Previews

White Background



This preview shows how the CIELCh color 18, 13.240, 312.192 looks on a white background.

Color Contrast Check

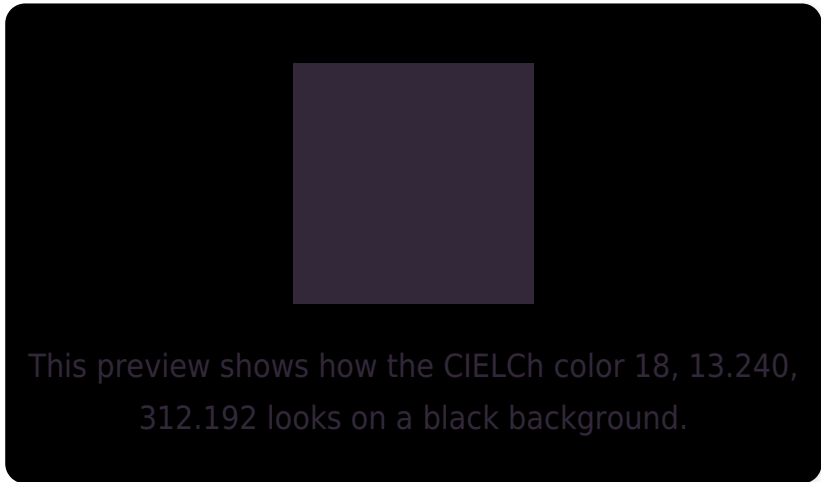
Large Text (above 18pt) WCAG AA ✓ Pass

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, 13.240, 312.192

Background



This preview shows how black text looks on a background with the CIELCh color 18, 13.240, 312.192.



This preview shows how white text looks on a background with the CIELCh color 18, 13.240, 312.192.

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, 13.240, 312.192

Protanopia

18, 11.826, 283.274

Deuteranopia

18, 10.384, 288.151



Tritanopia
18, 3.159, 339.236

Trichromacy



Original Color
18, 13.240, 312.192

Protanomaly
18, 11.740, 293.050

Deuteranomaly
18, 11.132, 297.260

Tritanomaly
18, 6.429, 321.621

Monochromacy



Original Color
18, 13.240, 312.192

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 5.195, 312.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 13.240, 312.192 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(50, 40, 58)` looks like.

```
.text, #text, p{  
    color:rgb(50, 40, 58)  
}
```

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(50, 40, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 40, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 13.240, 312.192 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(50, 40, 58) }
```

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

```
.border{ border-color:rgb(50, 40, 58) }
```

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

Here you see how a box with a 4 pixel rgb(50, 40, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 40, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 40, 58);  
box-shadow:4px 4px 4px 4px rgb(50, 40, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 13.240, 312.192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 40, 58) }
```

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

```
.background{ background-color: rgb(50, 40,  
58) }
```

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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