

Converting Colors

CIELCh(18, 13.883, 311.417)

Have a look what the booklet for
CIELCh(18, 13.883, 311.417)
contains.

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Color

CIELCh(18, 13.882, 311.281)

Conversions

Conversions Part 1

Format	Color
Hex	32283B
RGB	50, 40, 59
RGB Percent	20%, 16%, 23%
CMY	0.8037, 0.8429, 0.7684
CMYK	0.15, 0.32, 0.00, 0.77
HSL	272°, 19%, 19%
HSV	272°, 32%, 23%
XYZ	2.8707, 2.5180, 4.4814
YIQ	45.1560, -0.1390, 8.0290

Conversions

Conversions Part 2

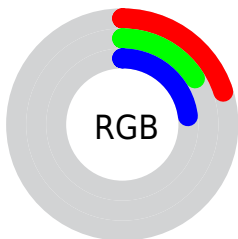
Format	Color
R_{YB}	50, 40, 59
Decimal	3287099
CIE Lab	18.00, 9.16, -10.43
CIE LCh	18, 13.882, 311.281
Yxy	2.5180, 0.2908, 0.2551
Android (android.graphics.Color)	4281477179 (0xFF32283B)
YUV	45.1560, 6.8251, 4.2482
Hunter-Lab	15.8683, 4.5219, -5.6363

Details

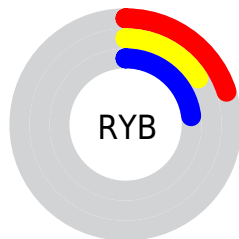
The CIELCh color **18, 13.882, 311.281** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 13.389, 128.717**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 13.863, 312.335**, and **0, 6.884, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **16, 18.354, 311.727**, and if you desaturate by 10%, it is **20, 9.467, 310.847**.

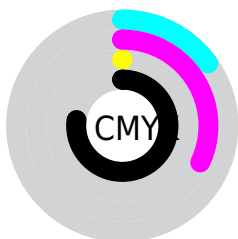
Distribution



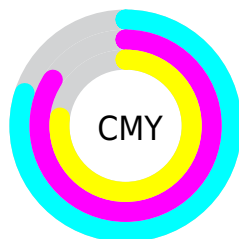
- Red (20%)
- Green (16%)
- Blue (23%)



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



- Cyan (15%)
- Magenta (32%)
- Yellow (0%)
- Black (77%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 13.882, 311.281 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, 13.882, 311.281 by changing the saturation by 10% instead.

■ 18, 13.882,
311.281

■ 18, 13.882,
311.281

■ 100, 13.882,
311.281

■ 8, 13.882, 311.281

■ 38, 13.882,
311.281

■ 0, 13.882, 311.281

■ 48, 13.882,
311.281


■ 58, 13.882,
311.281


■ 68, 13.882,
311.281


■ 78, 13.882,
311.281


■ 88, 13.882,

311.281


 98, 13.882,
311.281

 18, 13.882,
311.281


 18, 13.882,
311.281

 16, 18.354,
311.727


 20, 9.467, 310.847

 14, 22.840,
312.170

 22, 5.138, 310.433


 12, 27.267,
312.586

 24, 0.908, 310.004

 10, 31.522,
312.940

 29, 7.228, 129.402

 8, 35.450, 313.184

 31, 11.134,
129.111

■ 7, 39.106, 313.305

■ 33, 14.935,
128.851

■ 6, 41.834, 313.264

■ 35, 18.634,
128.619

■ 37, 22.237,
128.413

Harmonies

Complementary

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



18, 13.882, 311.281



23, 13.389, 128.717

Rectangle

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



18, 13.882, 311.281



18, 13.882, 1.281



18, 13.882, 131.281



18, 13.882, 181.281

Sweetspot

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



18, 13.881, 311.281



30, 5.228, 310.364



20, 7.572, 261.503



13, 3.502, 310.381



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, 13.881, 311.281



22, 21.041, 311.664



19, 15.283, 326.402



10, 2.403, 310.285



13, 59.567, 313.255



36, 111.824, 312.379

Inverse Universe

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



19, 10.861, 347.712



23, 16.377, 348.588



23, 15.281, 142.980



10, 1.891, 345.652



18, 40.997, 1.338



48, 76.023, 5.128

Previews

White Background



This preview shows how the CIE LCh color 18, 13.882, 311.281 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, 13.882, 311.281

Background



This preview shows how black text looks on a background with the CIELCh color 18, 13.882, 311.281.



This preview shows how white text looks on a background with the CIELCh color 18, 13.882, 311.281.

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, 13.882, 311.281

Protanopia

18, 12.499, 284.046

Deuteranopia

18, 10.384, 288.151



Tritanopia
18, 3.159, 339.236

Trichromacy



Original Color
18, 13.882, 311.281

Protanomaly
18, 12.426, 293.208

Deuteranomaly
18, 11.132, 297.260

Tritanomaly
18, 7.026, 318.775

Monochromacy



Original Color
18, 13.882, 311.281

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, 13.882, 311.281 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(50, 40, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 40, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 13.882, 311.281 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, 59) }
```

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

```
.border{ border-color:rgb(50, 40, 59) }
```

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, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 40, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 40, 59);  
box-shadow:4px 4px 4px 4px rgb(50, 40, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 13.882, 311.281 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, 59) }
```

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

```
.background{ background-color: rgb(50, 40,  
59) }
```

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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