

Converting Colors

CIELCh(16, 18.905, 317.092)

Have a look what the booklet for
CIELCh(16, 18.905, 317.092)
contains.

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Color

CIELCh(16, 19.080, 317.946)

Conversions

Conversions Part 1

Format	Color
Hex	33213A
RGB	51, 33, 58
RGB Percent	20%, 13%, 23%
CMY	0.7999, 0.8705, 0.7724
CMYK	0.12, 0.43, 0.00, 0.77
HSL	283°, 27%, 18%
HSV	283°, 43%, 23%
XYZ	2.6755, 2.0993, 4.2706
YIQ	41.2320, 2.7030, 11.5910

Conversions

Conversions Part 2

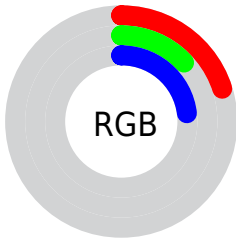
Format	Color
R_{YB}	51, 33, 58
Decimal	3350842
CIE _{Lab}	16.00, 14.17, -12.78
CIE _{LCh}	16, 19.080, 317.946
Yxy	2.0993, 0.2958, 0.2321
Android (android.graphics.Color)	4281540922 (0xFF33213A)
YUV	41.2320, 8.2666, 8.5665
Hunter-Lab	14.4890, 7.6053, -7.3334

Details

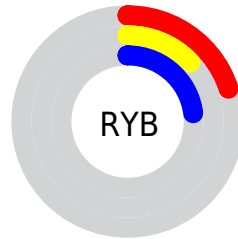
The CIELCh color **16, 19.080, 317.946** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **22, 18.606, 134.509**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 18.630, 318.046**, and **0, 5.435, 287.254** is the 20% darker color. If you saturate the color by 10%, you get **14, 23.471, 318.283**, and if you desaturate by 10%, it is **18, 14.612, 317.581**.

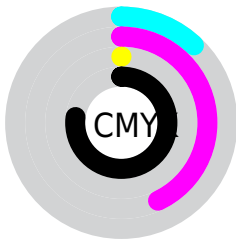
Distribution



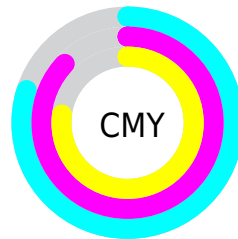
- Red (20%)
- Green (13%)
- Blue (23%)



- Red (20%)
- Yellow (13%)
- Blue (23%)



- Cyan (12%)
- Magenta (43%)
- Yellow (0%)
- Black (77%)



- Cyan (80%)
- Magenta (87%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 19.080, 317.946 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 16, 19.080, 317.946 by changing the saturation by 10% instead.

■ 16, 19.080,
317.946

■ 16, 19.080,
317.946

■ 100, 19.080,
317.946

■ 6, 19.080, 317.946

■ 36, 19.080,
317.946

■ 0, 19.080, 317.946

■ 46, 19.080,
317.946


■ 56, 19.080,
317.946


■ 66, 19.080,
317.946


■ 76, 19.080,
317.946


■ 86, 19.080,


317.946


 96, 19.080,
317.946


 16, 19.080,
317.946


 16, 19.080,
317.946

 14, 23.471,
318.283


 18, 14.612,
317.581

 12, 27.692,
318.570

 20, 10.137,
317.203

 11, 31.614,
318.778


 22, 5.701, 316.824

 10, 35.080,
318.871

 24, 1.334, 316.416

 26, 2.946, 136.154

 8, 38.559, 319.012

 28, 7.127, 135.810

■ 7, 41.187, 319.175

■ 30, 11.207,
135.500

■ 32, 15.182,
135.213

■ 34, 19.055,
134.950

Harmonies

Complementary

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



16, 19.080, 317.946



22, 18.606, 134.509

Rectangle

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



16, 19.080, 317.946



16, 19.080, 7.946



16, 19.080, 137.946



16, 19.080, 187.946

Sweetspot

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



16, 19.079, 317.946



29, 7.137, 316.845



16, 12.728, 280.800



13, 4.906, 316.879



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



16, 19.079, 317.946



20, 28.939, 318.330



17, 17.502, 333.576



9, 2.336, 316.640



15, 56.377, 318.615



42, 106.529, 317.903

Inverse Universe

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



16, 13.207, 1.763



20, 20.215, 3.526



22, 17.424, 148.111



9, 1.565, 357.947



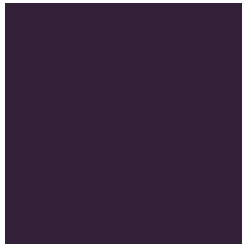
17, 41.059, 18.543



46, 79.384, 23.605

Previews

White Background



This preview shows how the CIELCh color 16, 19.080, 317.946 looks on a white background.

Color Contrast Check

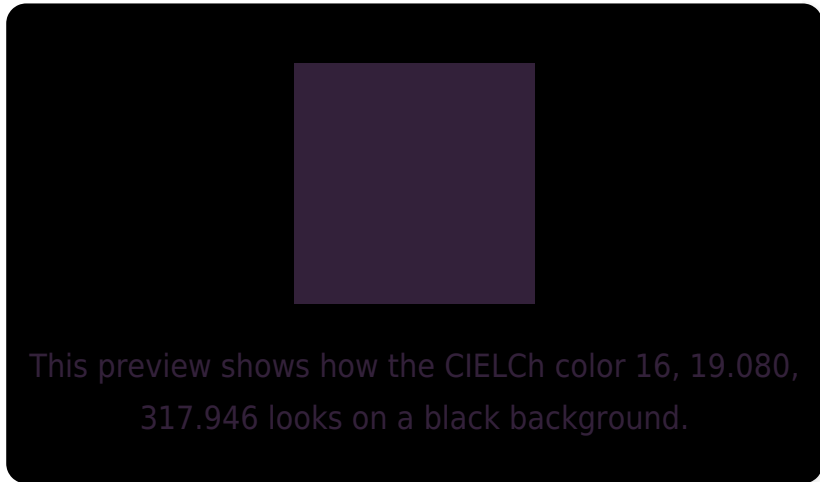
Large Text (above 18pt) WCAG AA ✓ Pass

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

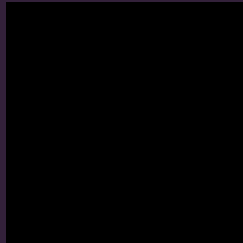
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 19.080, 317.946

Background



This preview shows how black text looks on a background with the CIELCh color 16, 19.080, 317.946.



This preview shows how white text looks on a background with the CIELCh color 16, 19.080, 317.946.

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

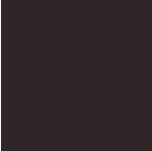
16, 19.080, 317.946

Protanopia

16, 16.940, 284.556

Deuteranopia

16, 12.045, 281.792



Tritanopia
16, 5.803, 359.781

Trichromacy



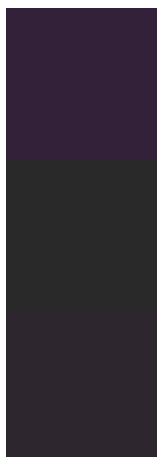
Original Color
16, 19.080, 317.946

Protanomaly
16, 16.879, 295.835

Deuteranomaly
16, 14.150, 298.816

Tritanomaly
16, 9.811, 330.295

Monochromacy



Original Color
16, 19.080, 317.946

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 7.121, 318.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 19.080, 317.946 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(51, 33, 58)` looks like.

```
.text, #text, p{  
    color:rgb(51, 33, 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(51, 33, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 33, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 19.080, 317.946 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(51, 33, 58) }
```

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

```
.border{ border-color:rgb(51, 33, 58) }
```

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

Here you see how a box with a 4 pixel rgb(51, 33, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 33, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 33, 58);  
box-shadow:4px 4px 4px 4px rgb(51, 33, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 19.080, 317.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 33, 58) }
```

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

```
.background{ background-color: rgb(51, 33,  
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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