

Converting Colors

CIELCh(19, 42.691, 305.213)

Have a look what the booklet for
CIELCh(19, 42.691, 305.213)
contains.

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Color

CIELCh(19, 42.804, 304.940)

Conversions

Conversions Part 1

Format	Color
Hex	322362
RGB	50, 35, 98
RGB Percent	20%, 14%, 38%
CMY	0.8045, 0.8633, 0.6163
CMYK	0.49, 0.64, 0.00, 0.62
HSL	254°, 47%, 26%
HSV	254°, 64%, 38%
XYZ	4.1015, 2.7468, 11.8297
YIQ	46.6670, -11.2830, 22.7730

Conversions

Conversions Part 2

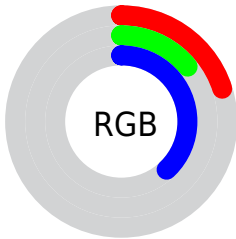
Format	Color
R_{YB}	50, 35, 98
Decimal	3285858
CIE _{Lab}	19.00, 24.51, -35.09
CIE _{LCh}	19, 42.804, 304.940
Yxy	2.7468, 0.2196, 0.1471
Android (android.graphics.Color)	4281475938 (0xFF322362)
YUV	46.6670, 25.3072, 2.9230
Hunter-Lab	16.5735, 15.1704, -30.7179

Details

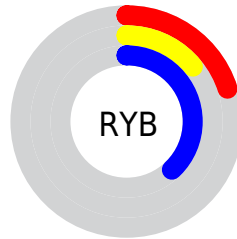
The CIELCh color **19, 42.804, 304.940** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **39, 36.769, 115.884**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 42.805, 305.283**, and **2, 33.745, 297.716** is the 20% darker color. If you saturate the color by 10%, you get **16, 49.648, 305.963**, and if you desaturate by 10%, it is **22, 35.769, 303.889**.

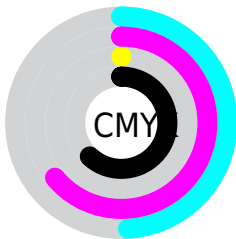
Distribution



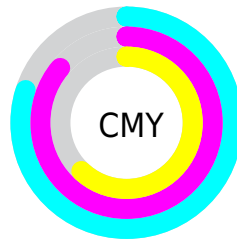
- Red (20%)
- Green (14%)
- Blue (38%)



- Red (20%)
- Yellow (14%)
- Blue (38%)



- Cyan (49%)
- Magenta (64%)
- Yellow (0%)
- Black (62%)



- Cyan (80%)
- Magenta (86%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 42.804, 304.940 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 19, 42.804, 304.940 by changing the saturation by 10% instead.

■ 19, 42.804,
304.940

■ 19, 42.804,
304.940

■ 100, 42.804,
304.940

■ 9, 42.804, 304.940

■ 39, 42.804,
304.940

■ 0, 42.804, 304.940

■ 49, 42.804,
304.940

■ 59, 42.804,
304.940


■ 69, 42.804,
304.940


■ 79, 42.804,
304.940


■ 89, 42.804,


304.940


 99, 42.804,
304.940


 19, 42.804,
304.940


 19, 42.804,
304.940


 16, 49.648,
305.963


 22, 35.769,
303.889


 13, 55.899,
306.838

 26, 28.772,
302.879

 11, 61.244,
307.518

 29, 21.926,
301.946

 10, 64.541,
308.110

 33, 15.282,
301.106

 36, 8.856, 300.360

■ 40, 2.649, 299.700

■ 43, 3.345, 119.137

■ 47, 9.137, 118.634

■ 50, 14.738,
118.199

Harmonies

Complementary

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



19, 42.804, 304.940



39, 36.769, 115.884

Rectangle

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



19, 42.804, 304.940



19, 42.804, 354.940



19, 42.804, 124.940



19, 42.804, 174.940

Sweetspot

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



19, 42.804, 304.941



45, 14.691, 300.737



33, 17.578, 229.811



21, 10.058, 300.887



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



19, 42.804, 304.941



21, 63.786, 306.423



23, 43.274, 319.134



18, 3.398, 299.987



12, 71.223, 307.971



32, 125.355, 307.486

Inverse Universe

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



25, 37.931, 336.255



31, 52.802, 337.546



37, 41.853, 133.584



18, 3.431, 332.382



24, 52.944, 339.876



54, 91.614, 340.809

Previews

White Background



This preview shows how the CIE LCh color 19, 42.804, 304.940 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



This preview shows how the CIE LCh color 19, 42.804, 304.940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

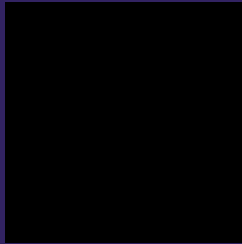
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 42.804, 304.940

Background



This preview shows how black text looks on a background with the CIELCh color 19, 42.804, 304.940.



This preview shows how white text looks on a background with the CIELCh color 19, 42.804, 304.940.

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


19, 42.804, 304.940

Protanopia

19, 34.603, 283.416

Deuteranopia

19, 24.877, 269.630



Tritanopia
19, 5.400, 229.295

Trichromacy



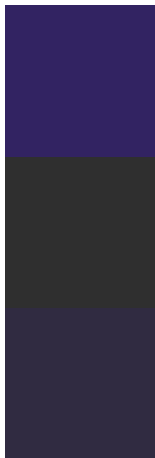
Original Color
19, 42.804, 304.940

Protanomaly
18, 37.742, 290.677

Deuteranomaly
18, 31.144, 285.659

Tritanomaly
19, 17.885, 293.214

Monochromacy



Original Color
19, 42.804, 304.940

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 15.300, 301.369

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 42.804, 304.940 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, 35, 98)` looks like.

```
.text, #text, p{  
    color:rgb(50, 35, 98)  
}
```

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, 35, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 35, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 42.804, 304.940 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, 35, 98) }
```

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

```
.border{ border-color:rgb(50, 35, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 35, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 35, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 35, 98);  
box-shadow:4px 4px 4px 4px rgb(50, 35, 98)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 42.804, 304.940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 35, 98) }
```

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

```
.background{ background-color: rgb(50, 35,  
98) }
```

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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