

Converting Colors

CIELCh(16, 47.198, 309.983)

Have a look what the booklet for
CIELCh(16, 47.198, 309.983)
contains.

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Color

CIELCh(16, 47.147, 309.923)

Conversions

Conversions Part 1

Format	Color
Hex	33175C
RGB	51, 23, 92
RGB Percent	20%, 9%, 36%
CMY	0.7995, 0.9094, 0.6387
CMYK	0.44, 0.75, 0.00, 0.64
HSL	264°, 60%, 23%
HSV	264°, 75%, 36%
XYZ	3.6175, 2.0993, 10.3683
YIQ	39.2380, -5.4610, 27.3950

Conversions

Conversions Part 2

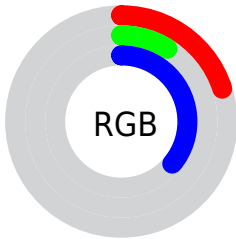
Format	Color
R_{YB}	51, 23, 92
Decimal	3348316
CIE _{Lab}	16.00, 30.26, -36.16
CIE _{LCh}	16, 47.147, 309.923
Yxy	2.0993, 0.2249, 0.1305
Android (android.graphics.Color)	4281538396 (0xFF33175C)
YUV	39.2380, 26.0117, 10.3153
Hunter-Lab	14.4890, 19.2113, -32.2856

Details

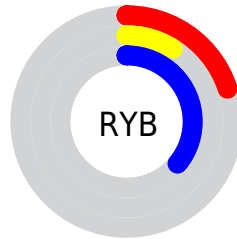
The CIELCh color **16, 47.147, 309.923** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **36, 41.172, 122.818**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 46.875, 309.969**, and **2, 28.886, 294.603** is the 20% darker color. If you saturate the color by 10%, you get **14, 52.596, 310.266**, and if you desaturate by 10%, it is **19, 41.029, 309.405**.

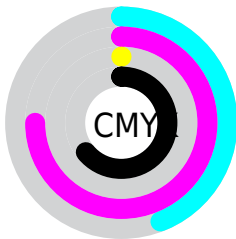
Distribution



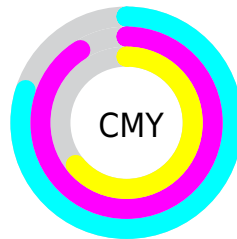
- Red (20%)
- Green (9%)
- Blue (36%)



- Red (20%)
- Yellow (9%)
- Blue (36%)



- Cyan (44%)
- Magenta (75%)
- Yellow (0%)
- Black (64%)



- Cyan (80%)
- Magenta (91%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 47.147, 309.923 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, 47.147, 309.923 by changing the saturation by 10% instead.

■ 16, 47.147,
309.923

■ 16, 47.147,
309.923

■ 100, 47.147,
309.923

■ 6, 47.147, 309.923

■ 36, 47.147,
309.923

■ 0, 47.147, 309.923

■ 46, 47.147,
309.923


■ 56, 47.147,
309.923


■ 66, 47.147,
309.923


■ 76, 47.147,
309.923

■ 86, 47.147,


309.923


 96, 47.147,
309.923

 16, 47.147,
309.923


 16, 47.147,
309.923


 14, 52.596,
310.266


 19, 41.029,
309.405


 11, 57.316,
310.465

 22, 34.586,
308.799

 10, 59.997,
310.726

 25, 28.046,
308.167

 28, 21.549,
307.547

 31, 15.171,
306.962

■ 34, 8.951, 306.422

■ 38, 2.907, 305.922

■ 41, 2.956, 125.519

■ 44, 8.639, 125.120

Harmonies

Complementary

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



16, 47.147, 309.923



36, 41.172, 122.818

Rectangle

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



16, 47.147, 309.923



16, 47.147, 359.923



16, 47.147, 129.923



16, 47.147, 179.923

Sweetspot

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



16, 47.147, 309.924



42, 16.588, 306.838



26, 20.998, 258.775



20, 11.260, 306.932



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



16, 47.147, 309.924



18, 67.603, 310.339



21, 47.026, 324.531



17, 3.324, 306.115



14, 67.969, 310.489



35, 120.711, 309.805

Inverse Universe

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



21, 36.423, 346.341



26, 48.739, 349.747



34, 47.169, 136.642



17, 2.907, 339.483



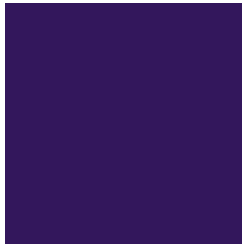
23, 47.206, 351.806



52, 82.285, 353.972

Previews

White Background



This preview shows how the CIE LCh color 16, 47.147, 309.923 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 16, 47.147, 309.923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

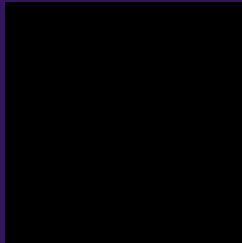
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 47.147, 309.923

Background



This preview shows how black text looks on a background with the CIELCh color 16, 47.147, 309.923.



This preview shows how white text looks on a background with the CIELCh color 16, 47.147, 309.923.

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, 47.147, 309.923

Protanopia

16, 31.173, 282.856

Deuteranopia

16, 22.525, 268.777



Tritanopia
16, 2.275, 266.687

Trichromacy



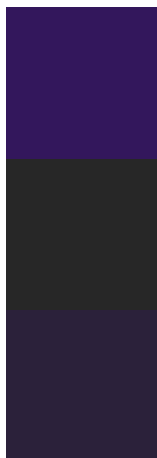
Original Color
16, 47.147, 309.923

Protanomaly
15, 37.136, 294.106

Deuteranomaly
15, 30.992, 290.162

Tritanomaly
15, 19.414, 305.614

Monochromacy



Original Color
16, 47.147, 309.923

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 18.203, 307.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 47.147, 309.923 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, 23, 92)` looks like.

```
.text, #text, p{  
    color:rgb(51, 23, 92)  
}
```

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, 23, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 23, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 47.147, 309.923 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, 23, 92) }
```

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

```
.border{ border-color:rgb(51, 23, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 23, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 23, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 23, 92);  
box-shadow:4px 4px 4px 4px rgb(51, 23, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 47.147, 309.923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 23, 92) }
```

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

```
.background{ background-color: rgb(51, 23,  
92) }
```

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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