

Converting Colors

CIELCh(16, 51.569, 316.593)

Have a look what the booklet for
CIELCh(16, 51.569, 316.593)
contains.

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Color

CIELCh(16, 51.675, 316.566)

Conversions

Conversions Part 1

Format	Color
Hex	3F0C5B
RGB	63, 12, 91
RGB Percent	25%, 5%, 36%
CMY	0.7517, 0.9515, 0.6419
CMYK	0.31, 0.86, 0.00, 0.64
HSL	279°, 76%, 20%
HSV	279°, 86%, 36%
XYZ	4.1071, 2.0993, 10.1553
YIQ	36.2550, 5.0370, 35.3810

Conversions

Conversions Part 2

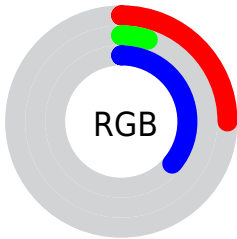
Format	Color
R_{YB}	63, 12, 91
Decimal	4131931
CIE _{Lab}	16.00, 37.52, -35.53
CIE _{LCh}	16, 51.675, 316.566
Yxy	2.0993, 0.2510, 0.1283
Android (android.graphics.Color)	4282322011 (0xFF3F0C5B)
YUV	36.2550, 26.9893, 23.4554
Hunter-Lab	14.4890, 25.2420, -31.4138

Details

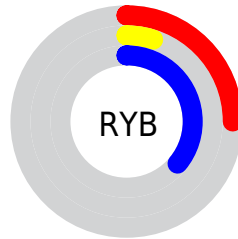
The CIELCh color **16, 51.675, 316.566** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **34, 48.526, 130.912**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 51.486, 316.417**, and **2, 28.534, 301.034** is the 20% darker color. If you saturate the color by 10%, you get **14, 55.434, 316.414**, and if you desaturate by 10%, it is **18, 47.234, 316.610**.

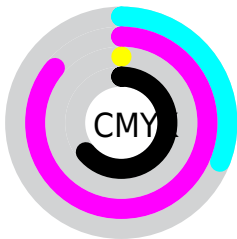
Distribution



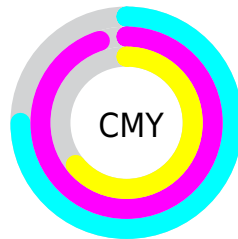
- Red (25%)
- Green (5%)
- Blue (36%)



- Red (25%)
- Yellow (5%)
- Blue (36%)



- Cyan (31%)
- Magenta (86%)
- Yellow (0%)
- Black (64%)





- Cyan (75%)
- Magenta (95%)
- Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 51.675, 316.566 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, 51.675, 316.566 by changing the saturation by 10% instead.

 16, 51.675,
316.566

 16, 51.675,
316.566


 100, 51.675,
316.566


 6, 51.675, 316.566


 36, 51.675,
316.566

 0, 51.675, 316.566

 46, 51.675,
316.566


 56, 51.675,
316.566


 66, 51.675,
316.566


 76, 51.675,
316.566


 86, 51.675,


316.566


 96, 51.675,
316.566


 16, 51.675,
316.566


 16, 51.675,
316.566


 14, 55.434,
316.414

 18, 47.234,
316.610

 14, 56.886,
316.412

 20, 41.889,
316.465

 23, 35.943,
316.191

 25, 29.651,
315.837

 28, 23.202,
315.439

■ 31, 16.728,
315.025

■ 34, 10.312,
314.612

■ 37, 4.006, 314.202

■ 40, 2.158, 133.895

Harmonies

Complementary

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



16, 51.675, 316.566



34, 48.526, 130.912

Rectangle

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



16, 51.675, 316.566



16, 51.675, 6.566



16, 51.675, 136.566



16, 51.675, 186.566

Sweetspot

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



16, 51.675, 316.566



41, 20.570, 315.041



18, 34.605, 287.418



19, 14.078, 315.135



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, 51.675, 316.566



20, 69.063, 316.085



20, 46.523, 333.146



17, 3.497, 314.300



18, 64.778, 316.184



43, 114.678, 315.534

Inverse Universe

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



19, 36.591, 7.047



24, 48.748, 13.762



33, 49.020, 139.848



17, 2.487, 352.979



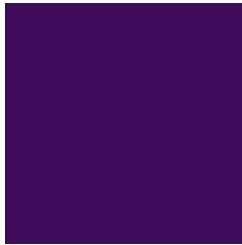
22, 45.688, 13.184



50, 81.474, 17.005

Previews

White Background



This preview shows how the CIE LCh color 16, 51.675, 316.566 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, 51.675, 316.566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

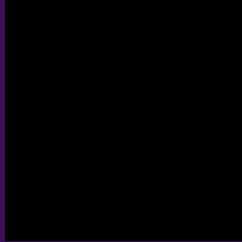
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 51.675, 316.566

Background



This preview shows how black text looks on a background with the CIELCh color 16, 51.675, 316.566.



This preview shows how white text looks on a background with the CIELCh color 16, 51.675, 316.566.

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, 51.675, 316.566

Protanopia

16, 31.751, 282.960

Deuteranopia

17, 23.111, 269.328



Tritanopia
17, 8.698, 7.900

Trichromacy



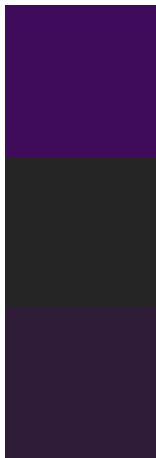
Original Color
16, 51.675, 316.566

Protanomaly
14, 39.962, 297.475

Deuteranomaly
14, 33.827, 294.623

Tritanomaly
16, 24.459, 324.898

Monochromacy



Original Color
16, 51.675, 316.566

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 21.963, 316.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 51.675, 316.566 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(63, 12, 91)` looks like.

```
.text, #text, p{  
    color:rgb(63, 12, 91)  
}
```

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(63, 12, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 12, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 51.675, 316.566 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(63, 12, 91) }
```

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

```
.border{ border-color:rgb(63, 12, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 12, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 12, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 12, 91);  
box-shadow:4px 4px 4px 4px rgb(63, 12, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 51.675, 316.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 12, 91) }
```

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

```
.background{ background-color: rgb(63, 12,  
91) }
```

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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