

Converting Colors

CIELCh(16, 25.962, 313.008)

Have a look what the booklet for
CIELCh(16, 25.962, 313.008)
contains.

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Color

CIELCh(16, 26.240, 313.202)

Conversions

Conversions Part 1

Format	Color
Hex	331F43
RGB	51, 31, 67
RGB Percent	20%, 12%, 26%
CMY	0.7995, 0.8780, 0.7368
CMYK	0.24, 0.54, 0.00, 0.74
HSL	273°, 37%, 19%
HSV	273°, 54%, 26%
XYZ	2.8808, 2.0993, 5.5826
YIQ	41.0840, 0.3640, 15.4360

Conversions

Conversions Part 2

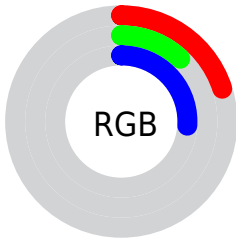
Format	Color
R_{YB}	51, 31, 67
Decimal	3350339
CIE _{Lab}	16.00, 17.96, -19.13
CIE _{LCh}	16, 26.240, 313.202
Yxy	2.0993, 0.2727, 0.1987
Android (android.graphics.Color)	4281540419 (0xFF331F43)
YUV	41.0840, 12.7766, 8.6963
Hunter-Lab	14.4890, 10.1353, -12.7021

Details

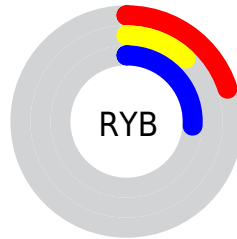
The CIELCh color **16, 26.240, 313.202** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **26, 24.722, 128.801**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 25.818, 313.580**, and **1, 11.732, 288.824** is the 20% darker color. If you saturate the color by 10%, you get **14, 31.098, 313.582**, and if you desaturate by 10%, it is **18, 21.264, 312.780**.

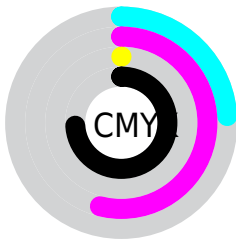
Distribution



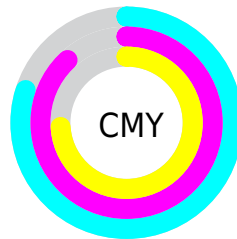
- Red (20%)
- Green (12%)
- Blue (26%)



- Red (20%)
- Yellow (12%)
- Blue (26%)



- Cyan (24%)
- Magenta (54%)
- Yellow (0%)
- Black (74%)



- Cyan (80%)
- Magenta (88%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 26.240, 313.202 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, 26.240, 313.202 by changing the saturation by 10% instead.

■ 16, 26.240,
313.202

■ 16, 26.240,
313.202

■ 100, 26.240,
313.202

■ 6, 26.240, 313.202

■ 36, 26.240,
313.202

■ 0, 26.240, 313.202

■ 46, 26.240,
313.202


■ 56, 26.240,
313.202


■ 66, 26.240,
313.202


■ 76, 26.240,
313.202


■ 86, 26.240,


313.202


 96, 26.240,
313.202


 16, 26.240,
313.202


 16, 26.240,
313.202


 14, 31.098,
313.582

 18, 21.264,
312.780

 12, 35.692,
313.879

 21, 16.272,
312.344


 10, 39.823,
314.039

 23, 11.326,
311.914

 8, 43.812, 314.219

 25, 6.465, 311.499

 7, 46.681, 314.481

 28, 1.711, 311.086

 30, 2.926, 130.788

■ 32, 7.441, 130.448

■ 35, 11.833,
130.149

■ 37, 16.106,
129.882

Harmonies

Complementary

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



16, 26.240, 313.202



26, 24.722, 128.801

Rectangle

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



16, 26.240, 313.202



16, 26.240, 3.202



16, 26.240, 133.202



16, 26.240, 183.202

Sweetspot

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



16, 26.239, 313.202



32, 9.407, 311.621



19, 14.495, 269.459



15, 6.256, 311.651



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



16, 26.239, 313.202



19, 38.621, 313.681



18, 27.156, 328.408



12, 2.592, 311.291



13, 60.351, 313.932



37, 112.081, 313.095

Inverse Universe

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



17, 19.802, 352.127



21, 28.675, 354.171



25, 27.289, 141.939



12, 1.988, 347.350



19, 41.604, 4.125



48, 76.676, 8.039

Previews

White Background



This preview shows how the CIE LCh color 16, 26.240, 313.202 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, 26.240, 313.202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

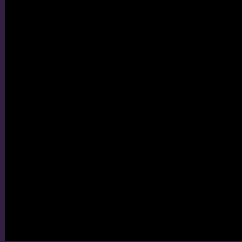
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 26.240, 313.202

Background



This preview shows how black text looks on a background with the CIELCh color 16, 26.240, 313.202.



This preview shows how white text looks on a background with the CIELCh color 16, 26.240, 313.202.

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, 26.240, 313.202

Protanopia

16, 25.343, 285.051

Deuteranopia

16, 17.956, 278.112



Tritanopia
16, 4.868, 355.201

Trichromacy



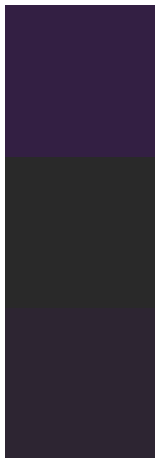
Original Color
16, 26.240, 313.202

Protanomaly
16, 25.215, 294.217

Deuteranomaly
16, 20.346, 292.329

Tritanomaly
16, 12.091, 321.931

Monochromacy



Original Color
16, 26.240, 313.202

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 9.853, 313.923

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 26.240, 313.202 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, 31, 67)` looks like.

```
.text, #text, p{  
    color:rgb(51, 31, 67)  
}
```

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, 31, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 31, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 26.240, 313.202 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, 31, 67) }
```

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

```
.border{ border-color:rgb(51, 31, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 31, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 31, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 31, 67);  
box-shadow:4px 4px 4px 4px rgb(51, 31, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 26.240, 313.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 31, 67) }
```

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

```
.background{ background-color: rgb(51, 31,  
67) }
```

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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