

Converting Colors

CIELCh(10, 84.632, 317.875)

Have a look what the booklet for
CIELCh(10, 84.632, 317.875)
contains.

CIELCh(16, 65.335, 313.554)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(16, 65.335, 313.554)

Conversions

Conversions Part 1

Format	Color
Hex	3C016D
RGB	60, 1, 109
RGB Percent	24%, 0%, 43%
CMY	0.7639, 0.9954, 0.5720
CMYK	0.45, 0.99, 0.00, 0.57
HSL	273°, 98%, 22%
HSV	273°, 99%, 43%
XYZ	4.6561, 2.0993, 14.6665
YIQ	30.9530, 0.4960, 46.0960

Conversions

Conversions Part 2

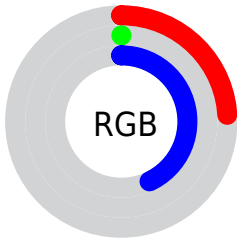
Format	Color
R_{YB}	60, 1, 109
Decimal	3932525
CIE Lab	16.00, 45.02, -47.35
CIE LCh	16, 65.335, 313.554
Yxy	2.0993, 0.2174, 0.0980
Android (android.graphics.Color)	4282122605 (0xFF3C016D)
YUV	30.9530, 38.4772, 25.4742
Hunter-Lab	14.4890, 32.0059, -49.8740

Details

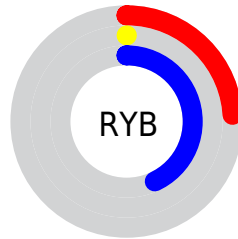
The CIELCh color **16, 65.335, 313.554** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **41, 58.424, 128.702**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 65.617, 313.612**, and **3, 41.124, 301.083** is the 20% darker color. If you saturate the color by 10%, you get **16, 65.821, 313.553**, and if you desaturate by 10%, it is **18, 61.117, 313.731**.

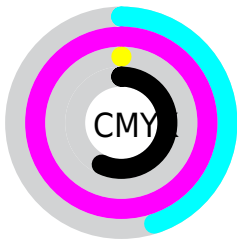
Distribution



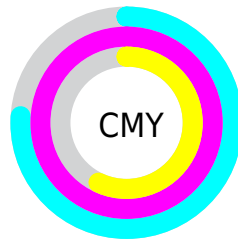
- Red (24%)
- Green (0%)
- Blue (43%)



- Red (24%)
- Yellow (0%)
- Blue (43%)



- Cyan (45%)
- Magenta (99%)
- Yellow (0%)
- Black (57%)





- Cyan (76%)
- Magenta (100%)
- Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 65.335, 313.554 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, 65.335, 313.554 by changing the saturation by 10% instead.

 16, 65.335,
313.554


 16, 65.335,
313.554


 100, 65.335,
313.554


 6, 65.335, 313.554


 36, 65.335,
313.554

 0, 65.335, 313.554

 46, 65.335,
313.554


 56, 65.335,
313.554


 66, 65.335,
313.554


 76, 65.335,
313.554


 86, 65.335,


313.554


 96, 65.335,
313.554

 16, 65.335,
313.554


 16, 65.335,
313.554


 16, 65.821,
313.553

 18, 61.117,
313.731

 20, 56.119,
313.801

 23, 49.959,
313.628

 26, 43.057,
313.297

 29, 35.757,
312.875

■ 32, 28.301,
312.411

■ 36, 20.848,
311.938

■ 39, 13.492,
311.477

■ 43, 6.289, 311.035

Harmonies

Complementary

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



16, 65.335, 313.554



41, 58.424, 128.702

Rectangle

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



16, 65.335, 313.554



16, 65.335, 3.554



16, 65.335, 133.554



16, 65.335, 183.554

Sweetspot

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



16, 65.335, 313.555



46, 26.998, 312.028



22, 38.874, 284.522



21, 18.345, 312.176



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



16, 65.335, 313.555



22, 80.061, 313.247



25, 60.085, 329.512



20, 3.894, 311.036



17, 69.340, 313.464



41, 119.977, 312.817

Inverse Universe

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



22, 45.008, 3.693



30, 54.836, 5.426



40, 63.027, 136.587



21, 3.009, 346.931



24, 47.607, 4.440



52, 81.862, 7.436

Previews

White Background



This preview shows how the CIELCh color 16, 65.335, 313.554 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 CIELCh color 16, 65.335, 313.554 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, 65.335, 313.554

Background



This preview shows how black text looks on a background with the CIELCh color 16, 65.335, 313.554.



This preview shows how white text looks on a background with the CIELCh color 16, 65.335, 313.554.

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, 65.349, 313.542

Protanopia

17, 32.267, 282.566

Deuteranopia

17, 23.144, 268.064



Tritanopia
18, 2.290, 314.861

Trichromacy



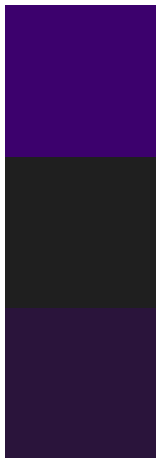
Original Color
16, 65.349, 313.542

Protanomaly
14, 47.943, 300.088

Deuteranomaly
14, 41.385, 297.978

Tritanomaly
15, 29.753, 313.603

Monochromacy



Original Color
16, 65.349, 313.542

Achromatopsia
12, 0.003, 296.813

Achromatomaly
11, 28.994, 313.869

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 65.335, 313.554 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(60, 1, 109)` looks like.

```
.text, #text, p{  
    color:rgb(60, 1, 109)  
}
```

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(60, 1, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 1, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 65.335, 313.554 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(60, 1, 109) }
```

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

```
.border{ border-color:rgb(60, 1, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 1, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 1, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 1, 109);  
box-shadow:4px 4px 4px 4px rgb(60, 1, 109)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 65.335, 313.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 1, 109) }
```

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

```
.background{ background-color: rgb(60, 1,  
109) }
```

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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