

Converting Colors

CIELCh(12, 62.379, 326.870)

Have a look what the booklet for
CIELCh(12, 62.379, 326.870)
contains.

CIELCh(16, 50.041, 325.551)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(16, 50.041, 325.551)

Conversions

Conversions Part 1

Format	Color
Hex	4B0151
RGB	75, 1, 81
RGB Percent	29%, 0%, 32%
CMY	0.7065, 0.9965, 0.6832
CMYK	0.07, 0.99, 0.00, 0.68
HSL	296°, 98%, 16%
HSV	296°, 99%, 32%
XYZ	4.3754, 2.0993, 7.9178
YIQ	32.2460, 18.4240, 40.5680

Conversions

Conversions Part 2

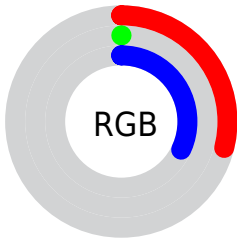
Format	Color
RYB	75, 1, 81
Decimal	4915537
CIELab	16.00, 41.27, -28.31
CIELCh	16, 50.041, 325.551
Yxy	2.0993, 0.3040, 0.1459
Android (android.graphics.Color)	4283105617 (0xFF4B0151)
YUV	32.2460, 24.0357, 37.4953
Hunter-Lab	14.4890, 28.5477, -22.2580

Details

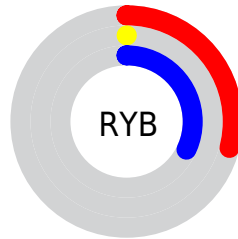
The CIELCh color **16, 50.041, 325.551** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **29, 51.072, 135.338**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 50.070, 325.573**, and **3, 24.258, 316.268** is the 20% darker color. If you saturate the color by 10%, you get **16, 50.376, 325.562**, and if you desaturate by 10%, it is **17, 47.148, 325.478**.

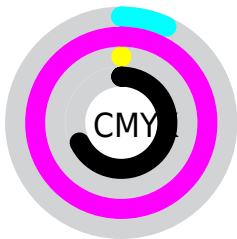
Distribution



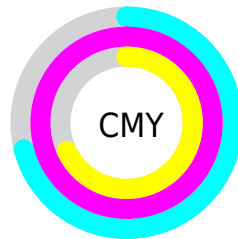
- Red (29%)
- Green (0%)
- Blue (32%)



- Red (29%)
- Yellow (0%)
- Blue (32%)



- Cyan (7%)
- Magenta (99%)
- Yellow (0%)
- Black (68%)





- Cyan (71%)
- Magenta (100%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 50.041, 325.551 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, 50.041, 325.551 by changing the saturation by 10% instead.

 16, 50.041,
325.551


 16, 50.041,
325.551


 100, 50.041,
325.551


 6, 50.041, 325.551


 36, 50.041,
325.551

 0, 50.041, 325.551

 46, 50.041,
325.551


 56, 50.041,
325.551


 66, 50.041,
325.551


 76, 50.041,
325.551


 86, 50.041,

325.551

 96, 50.041,
325.551


 16, 50.041,
325.551


 16, 50.041,
325.551


 16, 50.376,
325.562

 17, 47.148,
325.478

 18, 44.003,
325.388

 19, 39.901,
325.193

 21, 35.016,
324.911

 23, 29.557,
324.560

■ 25, 23.719,
324.159

■ 27, 17.667,
323.725

■ 30, 11.529,
323.271

■ 32, 5.398, 322.804

Harmonies

Complementary

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



16, 50.041, 325.551



29, 51.072, 135.338

Rectangle

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



16, 50.041, 325.551



16, 50.041, 15.551



16, 50.041, 145.551



16, 50.041, 195.551

Sweetspot

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



16, 50.040, 325.551



35, 22.698, 323.820



7, 52.283, 303.385



16, 15.605, 323.927



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



16, 50.040, 325.551



22, 60.255, 325.470



15, 38.018, 351.169



15, 3.420, 322.796



52, 108.101, 325.282

Inverse Universe

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



14, 39.774, 29.269



20, 49.982, 33.284



29, 39.712, 147.619



15, 2.027, 13.759



49, 94.339, 37.608

Previews

White Background



This preview shows how the CIELCh color 16, 50.041, 325.551 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, 50.041, 325.551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

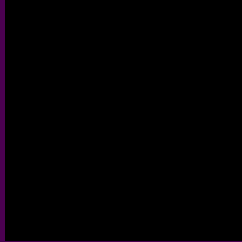
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 50.041, 325.551

Background



This preview shows how black text looks on a background with the CIELCh color 16, 50.041, 325.551.



This preview shows how white text looks on a background with the CIELCh color 16, 50.041, 325.551.

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, 50.093, 325.534

Protanopia

17, 32.899, 283.154

Deuteranopia

18, 22.846, 276.379



Tritanopia
18, 19.184, 20.698

Trichromacy



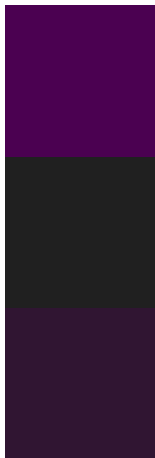
Original Color
16, 50.093, 325.534

Protanomaly
14, 41.446, 300.258

Deuteranomaly
14, 35.274, 304.247

Tritanomaly
16, 28.485, 344.926

Monochromacy



Original Color
16, 50.093, 325.534

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 23.356, 324.887

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 50.041, 325.551 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(75, 1, 81)` looks like.

```
.text, #text, p{  
    color:rgb(75, 1, 81)  
}
```

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(75, 1, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 1, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 50.041, 325.551 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(75, 1, 81) }
```

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

```
.border{ border-color:rgb(75, 1, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 1, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 1, 81); -webkit-box-shadow:4px  
4px 4px 4px rgb(75, 1, 81); box-shadow:4px  
4px 4px 4px rgb(75, 1, 81) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 50.041, 325.551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 1, 81) }
```

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

```
.background{ background-color: rgb(75, 1,  
81) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor