

Converting Colors

CIELCh(16, 52.193, 297.740)

Have a look what the booklet for
CIELCh(16, 52.193, 297.740)
contains.

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Color

CIELCh(16, 52.234, 297.754)

Conversions

Conversions Part 1

Format	Color
Hex	071F6B
RGB	7, 31, 107
RGB Percent	3%, 12%, 42%
CMY	0.9711, 0.8779, 0.5798
CMYK	0.93, 0.71, 0.00, 0.58
HSL	226°, 87%, 22%
HSV	226°, 93%, 42%
XYZ	3.2481, 2.0993, 14.1889
YIQ	32.4880, -38.7000, 18.5480

Conversions

Conversions Part 2

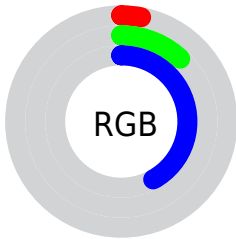
Format	Color
R_YB	7, 26, 107
Decimal	466795
CIE Lab	16.00, 24.32, -46.22
CIE LCh	16, 52.234, 297.754
Yxy	2.0993, 0.1663, 0.1075
Android (android.graphics.Color)	4278656875 (0xFF071F6B)
YUV	32.4880, 36.7344, -22.3530
Hunter-Lab	14.4890, 14.6594, -47.9196

Details

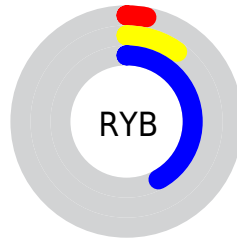
The CIELCh color **16, 52.234, 297.754** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **37, 42.664, 86.485**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 51.875, 297.563**, and **3, 39.369, 299.508** is the 20% darker color. If you saturate the color by 10%, you get **14, 56.363, 299.533**, and if you desaturate by 10%, it is **19, 46.112, 294.776**.

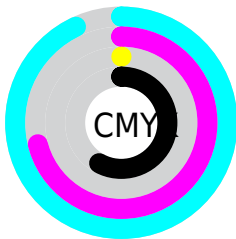
Distribution



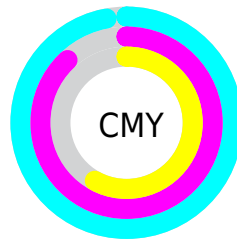
- Red (3%)
- Green (12%)
- Blue (42%)



- Red (3%)
- Yellow (10%)
- Blue (42%)



- Cyan (93%)
- Magenta (71%)
- Yellow (0%)
- Black (58%)



- Cyan (97%)
- Magenta (88%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 52.234, 297.754 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, 52.234, 297.754 by changing the saturation by 10% instead.

■ 16, 52.234,
297.754

■ 16, 52.234,
297.754

■ 100, 52.234,
297.754

■ 6, 52.234, 297.754

■ 36, 52.234,
297.754

■ 0, 52.234, 297.754

■ 46, 52.234,
297.754

■ 56, 52.234,
297.754

■ 66, 52.234,
297.754

■ 76, 52.234,
297.754

■ 86, 52.234,

297.754

■ 96, 52.234,
297.754

■ 16, 52.234,
297.754

■ 16, 52.234,
297.754

■ 14, 56.363,
299.533

■ 19, 46.112,
294.776

■ 22, 39.989,
291.839

■ 25, 34.003,
289.105

■ 28, 28.196,
286.647

■ 31, 22.567,
284.486

■ 34, 17.103,
282.609

■ 38, 11.787,
280.989

■ 41, 6.607, 279.595

■ 44, 1.554, 278.439

Harmonies

Complementary

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



16, 52.234, 297.754



37, 42.664, 86.485

Rectangle

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



16, 52.234, 297.754



16, 52.234, 347.754



16, 52.234, 117.754



16, 52.234, 167.754

Sweetspot

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



16, 52.235, 297.755



47, 17.936, 281.878



40, 33.206, 168.318



22, 12.533, 282.440



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, 52.235, 297.755



20, 70.265, 300.413



13, 64.867, 307.600



21, 2.817, 279.079



16, 60.710, 299.858



37, 110.355, 301.589

Inverse Universe

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



22, 44.439, 20.478



29, 57.571, 25.078



42, 51.094, 116.516



21, 2.675, 1.122



23, 50.238, 23.966



51, 88.692, 27.550

Previews

White Background



This preview shows how the CIE LCh color 16, 52.234, 297.754 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, 52.234, 297.754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

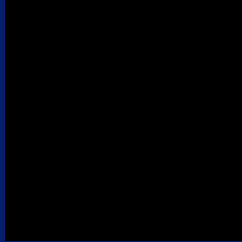
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 52.234, 297.754

Background



This preview shows how black text looks on a background with the CIELCh color 16, 52.234, 297.754.



This preview shows how white text looks on a background with the CIELCh color 16, 52.234, 297.754.

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, 52.234, 297.754

Protanopia

16, 31.173, 282.856

Deuteranopia

16, 21.959, 267.525



Tritanopia
16, 14.463, 205.048

Trichromacy



Original Color
16, 52.234, 297.754

Protanomaly
16, 39.097, 290.560

Deuteranomaly
16, 32.448, 285.223

Tritanomaly
15, 22.334, 271.270

Monochromacy



Original Color
16, 52.234, 297.754

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 20.153, 287.998

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 52.234, 297.754 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(7, 31, 107)` looks like.

```
.text, #text, p{  
    color:rgb(7, 31, 107)  
}
```

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(7, 31, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 31, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 52.234, 297.754 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(7, 31, 107) }
```

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

```
.border{ border-color:rgb(7, 31, 107) }
```

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

Here you see how a box with a 4 pixel rgb(7, 31, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 31, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 31, 107);  
box-shadow:4px 4px 4px 4px rgb(7, 31, 107)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 52.234, 297.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 31, 107) }
```

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

```
.background{ background-color: rgb(7, 31,  
107) }
```

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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