

Converting Colors

CIELCh(15, 47.479, 296.227)

Have a look what the booklet for
CIELCh(15, 47.479, 296.227)
contains.

CIELCh(15, 47.280, 296.076)	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>	26

Color

CIELCh(15, 47.280, 296.076)

Conversions

Conversions Part 1	
Format	Color
Hex	051F63
RGB	5, 31, 99
RGB Percent	2%, 12%, 39%
CMY	0.9808, 0.8786, 0.6120
CMYK	0.95, 0.69, 0.00, 0.61
HSL	223°, 91%, 20%
HSV	223°, 95%, 39%
XYZ	2.7990, 1.9086, 12.0099
YIQ	30.9780, -37.3240, 15.6360

Conversions

Conversions Part 2

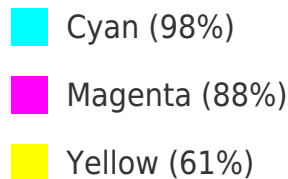
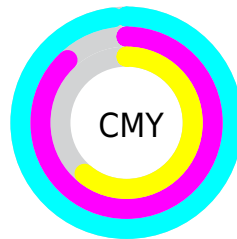
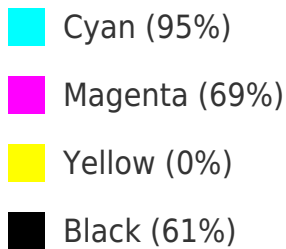
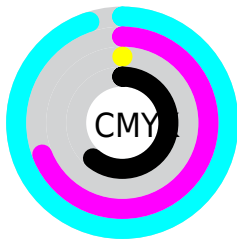
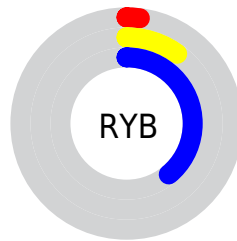
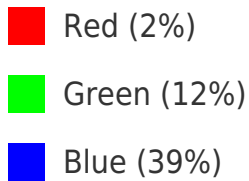
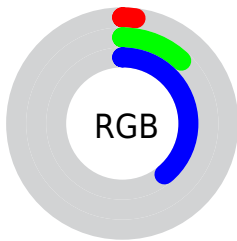
Format	Color
RYB	5, 25, 99
Decimal	335715
CIELab	15.00, 20.78, -42.47
CIELCh	15, 47.280, 296.076
Yxy	1.9086, 0.1674, 0.1142
Android (android.graphics.Color)	4278525795 (0xFF051F63)
YUV	30.9780, 33.5348, -22.7827
Hunter-Lab	13.8151, 11.9878, -41.8719

Details

The CIELCh color **15, 47.280, 296.076** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **33, 40.122, 83.068**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 47.157, 296.008**, and **3, 31.844, 295.222** is the 20% darker color. If you saturate the color by 10%, you get **14, 49.979, 297.390**, and if you desaturate by 10%, it is **17, 41.818, 293.017**.


Distribution





Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 47.280, 296.076 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 15, 47.280, 296.076 by changing the saturation by 10% instead.

 15, 47.280,
296.076


 15, 47.280,
296.076


 100, 47.280,
296.076


 5, 47.280, 296.076


 35, 47.280,
296.076

 0, 47.280, 296.076

 45, 47.280,
296.076


 55, 47.280,
296.076


 65, 47.280,
296.076


 75, 47.280,
296.076

 85, 47.280,


296.076


 95, 47.280,
296.076


 15, 47.280,
296.076


 15, 47.280,
296.076


 14, 49.979,
297.390

 17, 41.818,
293.017

 20, 36.415,
289.956

 23, 31.143,
287.116

 26, 26.021,
284.564

 29, 21.041,
282.318

■ 32, 16.188,
280.364

■ 34, 11.447,
278.676

■ 37, 6.810, 277.221

■ 40, 2.269, 275.990

Harmonies

Complementary

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



15, 47.280, 296.076



33, 40.122, 83.068

Rectangle

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



15, 47.280, 296.076



15, 47.280, 346.076



15, 47.280, 116.076



15, 47.280, 166.076

Sweetspot

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



15, 47.280, 296.077



43, 16.400, 279.450



37, 32.857, 165.391



20, 11.191, 279.953



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



15, 47.280, 296.077



19, 61.637, 298.387



11, 62.331, 307.300



18, 2.478, 276.426



16, 55.470, 297.918



38, 103.162, 299.965

Inverse Universe

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



19, 41.810, 17.501



26, 52.470, 21.172



39, 48.310, 114.854



18, 2.501, 358.275



22, 47.671, 20.324



51, 85.201, 24.178

Previews

White Background



This preview shows how the CIELCh color 15, 47.280, 296.076 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 15, 47.280, 296.076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

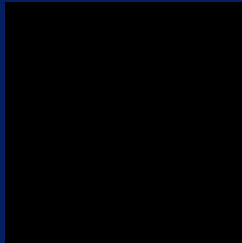
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 47.280, 296.076

Background



This preview shows how black text looks on a background with the CIELCh color 15, 47.280, 296.076.



This preview shows how white text looks on a background with the CIELCh color 15, 47.280, 296.076.

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

15, 47.280, 296.076

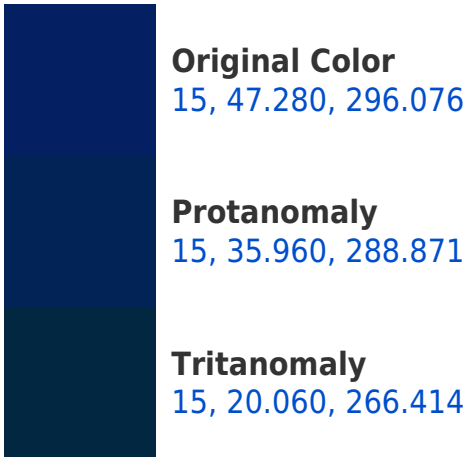
Protanopia

15, 30.010, 282.635

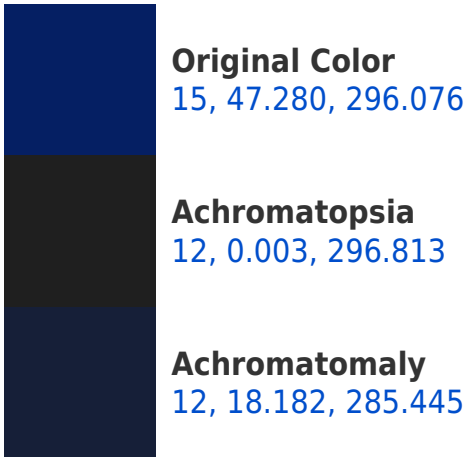
Tritanopia

15, 14.168, 202.312

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 47.280, 296.076 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(5, 31, 99)` looks like.

```
.text, #text, p{  
    color:rgb(5, 31, 99)  
}
```

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(5, 31, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 31, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 47.280, 296.076 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(5, 31, 99) }
```

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

```
.border{ border-color:rgb(5, 31, 99) }
```

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

Here you see how a box with a 4 pixel rgb(5, 31, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 31, 99); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 31, 99); box-shadow:4px  
4px 4px 4px rgb(5, 31, 99) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 47.280, 296.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 31, 99) }
```

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

```
.background{ background-color: rgb(5, 31,  
99) }
```

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