

Converting Colors

CIELCh(17, 70.897, 301.962)

Have a look what the booklet for
CIELCh(17, 70.897, 301.962)
contains.

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Color

CIELCh(17, 70.320, 301.980)

Conversions

Conversions Part 1	
Format	Color
Hex	001983
RGB	0, 25, 131
RGB Percent	0%, 10%, 51%
CMY	1.0000, 0.9032, 0.4878
CMYK	1.00, 0.81, 0.00, 0.49
HSL	229°, 100%, 26%
HSV	229°, 100%, 51%
XYZ	4.3965, 2.3023, 21.5448
YIQ	29.6090, -48.9260, 27.6660

Conversions

Conversions Part 2

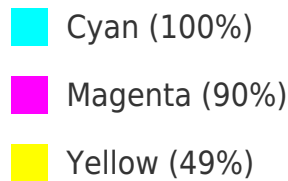
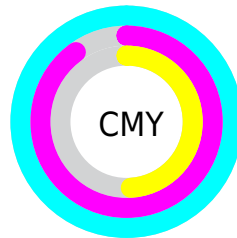
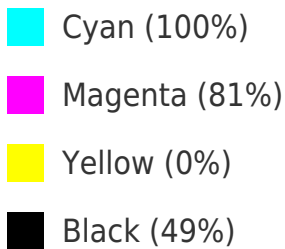
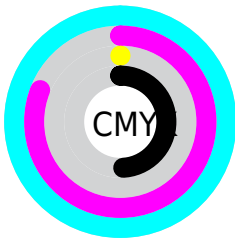
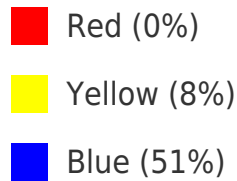
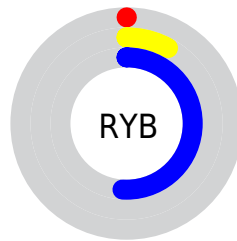
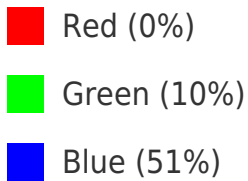
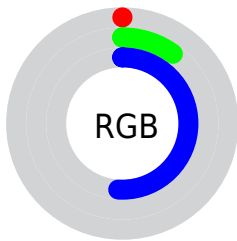
Format	Color
RYB	0, 21, 131
Decimal	6531
CIELab	17.00, 37.24, -59.65
CIELCh	17, 70.320, 301.980
Yxy	2.3023, 0.1557, 0.0815
Android (android.graphics.Color)	4278196611 (0xFF001983)
YUV	29.6090, 49.9858, -25.9671
Hunter-Lab	15.1734, 25.1671, -73.5648

Details

The CIELCh color **17, 70.320, 301.980** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **46, 52.411, 89.285**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 70.033, 301.874**, and **5, 56.146, 305.286** is the 20% darker color. If you saturate the color by 10%, you get **17, 70.294, 302.036**, and if you desaturate by 10%, it is **20, 63.286, 299.560**.


Distribution





Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 70.320, 301.980 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 17, 70.320, 301.980 by changing the saturation by 10% instead.

 17, 70.320,
301.980


 17, 70.320,
301.980


 100, 70.320,
301.980


 7, 70.320, 301.980


 37, 70.320,
301.980

 0, 70.320, 301.980

 47, 70.320,
301.980


 57, 70.320,
301.980


 67, 70.320,
301.980


 77, 70.320,
301.980


 87, 70.320,


301.980


 97, 70.320,
301.980

 17, 70.320,
301.980


 17, 70.320,
301.980


 17, 70.294,
302.036

 20, 63.286,
299.560

 23, 55.719,
296.731

 27, 48.033,
293.920

 30, 40.487,
291.293

 34, 33.173,
288.932

■ 38, 26.108,
286.863

■ 42, 19.277,
285.073

■ 46, 12.661,
283.534

■ 51, 6.242, 282.217

Harmonies

Complementary

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



17, 70.320, 301.980



46, 52.411, 89.285

Rectangle

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



17, 70.320, 301.980



17, 70.320, 351.980



17, 70.320, 121.980



17, 70.320, 171.980

Sweetspot

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



17, 70.294, 302.036



55, 24.034, 285.190



48, 37.568, 171.425



26, 16.619, 285.813



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



17, 70.294, 302.036



24, 87.290, 302.646



16, 78.764, 308.594



26, 3.560, 282.114



17, 70.053, 302.024



0, 0.843, 281.059

Inverse Universe

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



26, 56.124, 28.537



35, 69.129, 29.930



50, 62.052, 119.463



26, 3.143, 4.837



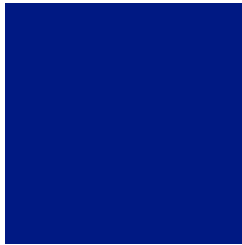
26, 55.941, 28.511



0, 0.736, 4.093

Previews

White Background



This preview shows how the CIELCh color 17, 70.320, 301.980 looks on a white background.

Color Contrast Check

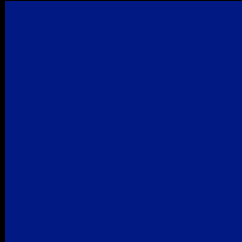
Large Text (above 18pt) WCAG AA ✓ Pass

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 17, 70.320, 301.980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

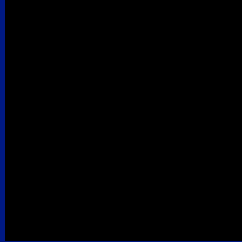
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 70.320, 301.980

Background



This preview shows how black text looks on a background with the CIELCh color 17, 70.320, 301.980.



This preview shows how white text looks on a background with the CIELCh color 17, 70.320, 301.980.

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

17, 70.320, 301.980

Protanopia

17, 32.899, 283.154

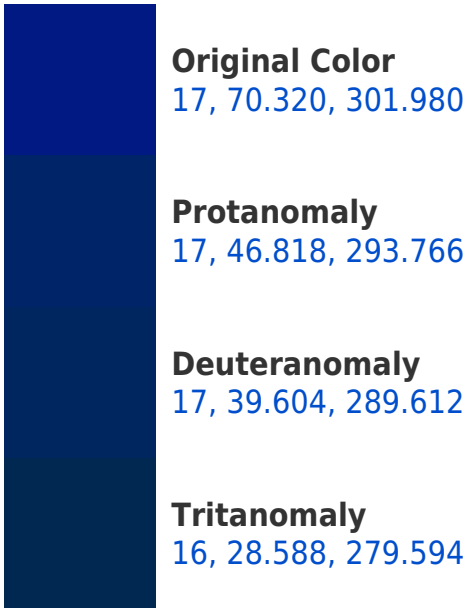
Deuteranopia

17, 22.589, 266.843



Tritanopia
18, 15.376, 201.737

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIElCh 17, 70.320, 301.980 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(0, 25, 131)` looks like.

```
.text, #text, p{  
    color:rgb(0, 25, 131)  
}
```

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(0, 25, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 25, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 70.320, 301.980 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(0, 25, 131) }
```

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

```
.border{ border-color:rgb(0, 25, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 25, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 25, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 25, 131);  
box-shadow:4px 4px 4px 4px rgb(0, 25, 131)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 70.320, 301.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 25, 131) }
```

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

```
.background{ background-color: rgb(0, 25,  
131) }
```

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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