

Converting Colors

CIELCh(9, 60.566, 296.352)

Have a look what the booklet for
CIELCh(9, 60.566, 296.352) contains.

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Color

CIELCh(12, 58.322, 301.716)

Conversions

Conversions Part 1

Format	Color
Hex	011266
RGB	1, 18, 102
RGB Percent	0%, 7%, 40%
CMY	0.9980, 0.9287, 0.5990
CMYK	0.99, 0.82, 0.00, 0.60
HSL	230°, 99%, 20%
HSV	230°, 99%, 40%
XYZ	2.6362, 1.4064, 12.7662
YIQ	22.4930, -37.0960, 22.5200

Conversions

Conversions Part 2

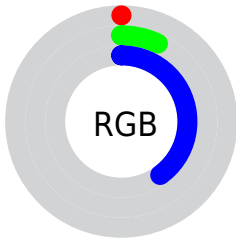
Format	Color
RYB	1, 16, 102
Decimal	70246
CIELab	12.00, 30.66, -49.61
CIELCh	12, 58.322, 301.716
Yxy	1.4064, 0.1568, 0.0837
Android (android.graphics.Color)	4278260326 (0xFF011266)
YUV	22.4930, 39.1970, -18.8494
Hunter-Lab	11.8591, 18.9260, -55.5241

Details

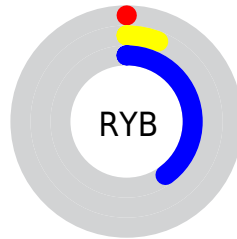
The CIELCh color **12, 58.322, 301.716** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **36, 44.296, 90.952**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **32, 58.348, 301.938**, and **3, 33.780, 296.179** is the 20% darker color. If you saturate the color by 10%, you get **12, 58.610, 301.816**, and if you desaturate by 10%, it is **14, 52.355, 299.387**.

Distribution



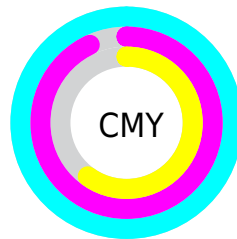
- Red (0%)
- Green (7%)
- Blue (40%)



- Red (0%)
- Yellow (6%)
- Blue (40%)



- Cyan (99%)
- Magenta (82%)
- Yellow (0%)
- Black (60%)



- Cyan (100%)
- Magenta (93%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 58.322, 301.716 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 12, 58.322, 301.716 by changing the saturation by 10% instead.

■ 12, 58.322,
301.716

■ 12, 58.322,
301.716

■ 100, 58.322,
301.716

■ 2, 58.322, 301.716

■ 32, 58.322,
301.716

■ 0, 58.322, 301.716

■ 42, 58.322,
301.716


■ 52, 58.322,
301.716


■ 62, 58.322,
301.716


■ 72, 58.322,
301.716


■ 82, 58.322,


301.716

 92, 58.322,
301.716


 12, 58.322,
301.716


 12, 58.322,
301.716


 12, 58.610,
301.816

 14, 52.355,
299.387

 17, 46.024,
296.683

 20, 39.631,
294.025

 23, 33.364,
291.552

 27, 27.291,
289.334

■ 30, 21.423,
287.386

■ 33, 15.749,
285.697

■ 37, 10.254,
284.240

■ 40, 4.924, 282.990

Harmonies

Complementary

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



12, 58.322, 301.716



36, 44.296, 90.952

Rectangle

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



12, 58.322, 301.716



12, 58.322, 351.716



12, 58.322, 121.716



12, 58.322, 171.716

Sweetspot

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



12, 58.323, 301.717



43, 19.876, 285.912



38, 30.652, 173.690



20, 13.512, 286.393



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



12, 58.323, 301.717



17, 72.325, 302.567



11, 65.440, 309.048



19, 2.904, 282.924



14, 64.359, 302.178



34, 117.184, 303.632

Inverse Universe

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



20, 46.695, 27.783



27, 57.334, 29.747



39, 52.082, 119.845



19, 2.507, 5.956



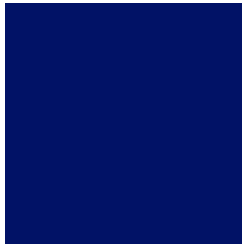
23, 51.283, 28.857



51, 91.812, 32.314

Previews

White Background



This preview shows how the CIELCh color 12, 58.322, 301.716 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 12, 58.322, 301.716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

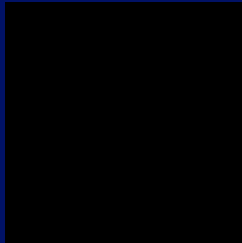
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 58.322, 301.716

Background



This preview shows how black text looks on a background with the CIELCh color 12, 58.322, 301.716.



This preview shows how white text looks on a background with the CIELCh color 12, 58.322, 301.716.

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

12, 58.289, 301.800

Protanopia

13, 26.349, 280.581

Deuteranopia

13, 18.395, 263.791



Tritanopia
13, 13.284, 199.602

Trichromacy



Original Color
12, 58.289, 301.800

Protanomaly
12, 38.016, 292.423

Deuteranomaly
12, 32.592, 288.597

Tritanomaly
11, 23.199, 277.363

Monochromacy



Original Color
12, 58.289, 301.800

Achromatopsia
7, 0.002, 296.812

Achromatomaly
8, 22.536, 292.038

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 58.322, 301.716 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(1, 18, 102)` looks like.

```
.text, #text, p{  
    color:rgb(1, 18, 102)  
}
```

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(1, 18, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 18, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 58.322, 301.716 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(1, 18, 102) }
```

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

```
.border{ border-color:rgb(1, 18, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 18, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 18, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 18, 102);  
box-shadow:4px 4px 4px 4px rgb(1, 18, 102)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 58.322, 301.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 18, 102) }
```

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

```
.background{ background-color: rgb(1, 18,  
102) }
```

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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