

Converting Colors

CIELCh(11, 65.848, 308.920)

Have a look what the booklet for
CIELCh(11, 65.848, 308.920)
contains.

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Color

CIELCh(11, 65.772, 308.908)

Conversions

Conversions Part 1

Format	Color
Hex	1F0066
RGB	31, 0, 102
RGB Percent	12%, 0%, 40%
CMY	0.8775, 0.9995, 0.5993
CMYK	0.69, 1.00, 0.00, 0.60
HSL	258°, 100%, 20%
HSV	258°, 100%, 40%
XYZ	2.9815, 1.2610, 12.7054
YIQ	20.8970, -14.2660, 38.2940

Conversions

Conversions Part 2

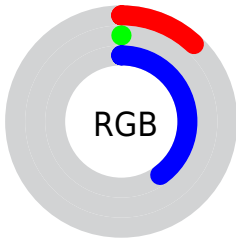
Format	Color
R_{YB}	31, 0, 102
Decimal	2031718
CIE _{Lab}	11.00, 41.31, -51.18
CIE _{LCh}	11, 65.772, 308.908
Yxy	1.2610, 0.1759, 0.0744
Android (android.graphics.Color)	4280221798 (0xFF1F0066)
YUV	20.8970, 39.9838, 8.8603
Hunter-Lab	11.2295, 27.7411, -59.2221

Details

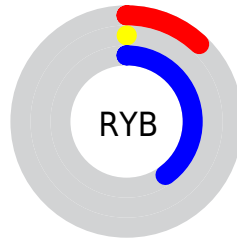
The CIELCh color **11, 65.772, 308.908** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **39, 52.005, 119.313**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **31, 65.664, 308.891**, and **3, 33.900, 296.477** is the 20% darker color. If you saturate the color by 10%, you get **11, 65.848, 308.920**, and if you desaturate by 10%, it is **13, 60.423, 308.342**.

Distribution



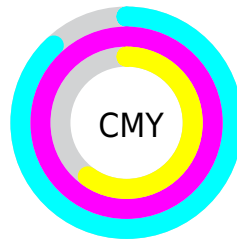
- Red (12%)
- Green (0%)
- Blue (40%)



- Red (12%)
- Yellow (0%)
- Blue (40%)



- Cyan (69%)
- Magenta (100%)
- Yellow (0%)
- Black (60%)



- Cyan (88%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 65.772, 308.908 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 11, 65.772, 308.908 by changing the saturation by 10% instead.

■ 11, 65.772,
308.908

■ 11, 65.772,
308.908

■ 100, 65.772,
308.908

■ 1, 65.772, 308.908

■ 31, 65.772,
308.908

■ 0, 65.772, 308.908

■ 41, 65.772,
308.908


■ 51, 65.772,
308.908


■ 61, 65.772,
308.908


■ 71, 65.772,
308.908


■ 81, 65.772,


308.908


 91, 65.772,
308.908


 11, 65.772,
308.908


 11, 65.772,
308.908

 11, 65.848,
308.920

 13, 60.423,
308.342

 16, 54.801,
307.865

 19, 48.198,
307.143

 22, 41.122,
306.307

 25, 33.906,
305.448

■ 29, 26.742,
304.619

■ 32, 19.730,
303.850

■ 36, 12.914,
303.151

■ 40, 6.312, 302.526

Harmonies

Complementary

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



11, 65.772, 308.908



39, 52.005, 119.313

Rectangle

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



11, 65.772, 308.908



11, 65.772, 358.908



11, 65.772, 128.908



11, 65.772, 178.908

Sweetspot

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



11, 65.773, 308.909



42, 24.580, 303.922



28, 24.394, 252.990



19, 16.711, 304.143



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



11, 65.773, 308.909



16, 79.578, 308.647



19, 60.038, 321.086



19, 3.578, 302.470



13, 71.600, 308.790



34, 125.057, 308.238

Inverse Universe

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



21, 47.493, 344.025



29, 56.924, 344.641



37, 59.604, 134.090



20, 3.415, 335.019



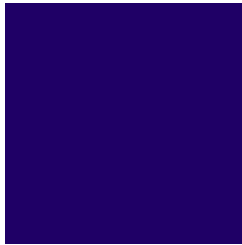
24, 51.453, 344.323



54, 88.230, 345.637

Previews

White Background



This preview shows how the CIELCh color 11, 65.772, 308.908 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 11, 65.772, 308.908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

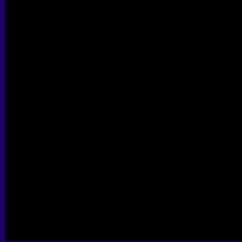
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 65.772, 308.908

Background



This preview shows how black text looks on a background with the CIELCh color 11, 65.772, 308.908.



This preview shows how white text looks on a background with the CIELCh color 11, 65.772, 308.908.

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

11, 65.772, 308.908

Protanopia

13, 26.349, 280.581

Deuteranopia

13, 18.395, 263.791



Tritanopia
13, 13.144, 202.894

Trichromacy



Original Color
11, 65.772, 308.908

Protanomaly
11, 43.112, 299.108

Deuteranomaly
10, 37.768, 297.160

Tritanomaly
10, 28.706, 292.117

Monochromacy



Original Color
11, 65.772, 308.908

Achromatopsia
7, 0.002, 296.812

Achromatomaly
7, 28.440, 306.724

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 65.772, 308.908 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(31, 0, 102)` looks like.

```
.text, #text, p{  
    color:rgb(31, 0, 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(31, 0, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 0, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 65.772, 308.908 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(31, 0, 102) }
```

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

```
.border{ border-color:rgb(31, 0, 102) }
```

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

Here you see how a box with a 4 pixel rgb(31, 0, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 0, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 0, 102);  
box-shadow:4px 4px 4px 4px rgb(31, 0, 102)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 11, 65.772, 308.908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 0, 102) }
```

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

```
.background{ background-color: rgb(31, 0,  
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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