

Converting Colors

CIELCh(11, 31.385, 1.505)

Have a look what the booklet for
CIELCh(11, 31.385, 1.505) contains.

CIELCh(11, 31.405, 1.499)	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>	27

Color

CIELCh(11, 31.405, 1.499)

Conversions

Conversions Part 1

Format	Color
Hex	41011D
RGB	65, 1, 29
RGB Percent	25%, 0%, 11%
CMY	0.7432, 0.9946, 0.8848
CMYK	0.00, 0.98, 0.55, 0.74
HSL	334°, 96%, 13%
HSV	334°, 98%, 26%
XYZ	2.4537, 1.2610, 1.3016
YIQ	23.3280, 29.1560, 22.2760

Conversions

Conversions Part 2

Format	Color
R_{YB}	65, 1, 29
Decimal	4260125
CIE _{Lab}	11.00, 31.39, 0.82
CIE _{LCh}	11, 31.405, 1.499
Yxy	1.2610, 0.4891, 0.2514
Android (android.graphics.Color)	4282450205 (0xFF41011D)
YUV	23.3280, 2.7963, 36.5463
Hunter-Lab	11.2295, 19.3515, 0.9883

Details

The CIELCh color **11, 31.405, 1.499** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **24, 29.148, 155.865**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **31, 31.357, 2.136**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 31.966, 1.908**, and if you desaturate by 10%, it is **12, 28.990, 359.305**.

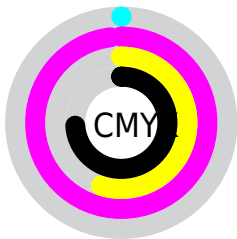
Distribution



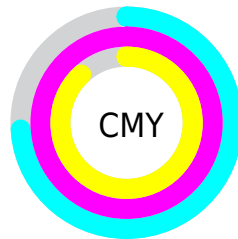
- Red (25%)
- Green (0%)
- Blue (11%)



- Red (25%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (98%)
- Yellow (55%)
- Black (74%)



- Cyan (74%)
- Magenta (99%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 31.405, 1.499 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, 31.405, 1.499 by changing the saturation by 10% instead.

 11, 31.405, 1.499  11, 31.405, 1.499

 100, 31.405, 1.499  1, 31.405, 1.499

 31, 31.405, 1.499  0, 31.405, 1.499

 41, 31.405, 1.499

 51, 31.405, 1.499

 61, 31.405, 1.499

 71, 31.405, 1.499

 81, 31.405, 1.499

 91, 31.405, 1.499

 11, 31.405, 1.499  11, 31.405, 1.499

■ 11, 31.966, 1.908

■ 12, 28.990,
359.305

■ 13, 26.729,
356.884

■ 15, 23.963,
354.870

■ 16, 20.775,
353.206

■ 18, 17.311,
351.804

■ 20, 13.694,
350.601

■ 22, 10.022,
349.548

■ 24, 6.367, 348.609

■ 26, 2.773, 347.736

Harmonies

Complementary

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



11, 31.405, 1.499



24, 29.148, 155.865

Rectangle

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



11, 31.405, 1.499



11, 31.405, 51.499



11, 31.405, 181.499



11, 31.405, 231.499

Sweetspot

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



11, 31.403, 1.500



28, 12.863, 349.779



7, 44.909, 314.251



12, 8.915, 349.977



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



11, 31.403, 1.500



16, 37.742, 3.849



11, 32.611, 30.302



12, 1.978, 347.792



19, 41.582, 4.807



48, 76.713, 8.780

Inverse Universe

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



11, 31.403, 1.500



16, 37.742, 3.849



23, 17.628, 203.619



12, 1.978, 347.792



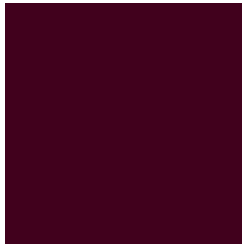
19, 41.582, 4.807



48, 76.713, 8.780

Previews

White Background



This preview shows how the CIELCh color 11, 31.405, 1.499 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



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, 31.405, 1.499

Background



This preview shows how black text looks on a background with the CIELCh color 11, 31.405, 1.499.



This preview shows how white text looks on a background with the CIELCh color 11, 31.405, 1.499.

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, 31.405, 1.499

Protanopia

13, 6.489, 284.131

Deuteranopia

13, 5.605, 59.556



Tritanopia
12, 28.960, 29.149

Trichromacy



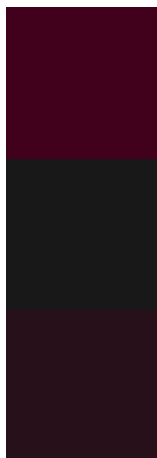
Original Color
11, 31.405, 1.499

Protanomaly
11, 15.432, 336.129

Deuteranomaly
11, 15.216, 5.861

Tritanomaly
12, 29.114, 19.743

Monochromacy



Original Color
11, 31.405, 1.499

Achromatopsia
8, 0.002, 296.813

Achromatomaly
8, 13.722, 352.581

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 31.405, 1.499 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(65, 1, 29)` looks like.

```
.text, #text, p{  
    color:rgb(65, 1, 29)  
}
```

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(65, 1, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 1, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 31.405, 1.499 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(65, 1, 29) }
```

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

```
.border{ border-color:rgb(65, 1, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 1, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 1, 29); -webkit-box-shadow:4px  
4px 4px 4px rgb(65, 1, 29); box-shadow:4px  
4px 4px 4px rgb(65, 1, 29) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 31.405, 1.499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 1, 29) }
```

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

```
.background{ background-color: rgb(65, 1,  
29) }
```

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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