

Converting Colors

CIELCh(11, 21.425, 331.427)

Have a look what the booklet for
CIELCh(11, 21.425, 331.427)
contains.

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Color

CIELCh(11, 21.636, 331.494)

Conversions

Conversions Part 1

Format	Color
Hex	30132C
RGB	48, 19, 44
RGB Percent	19%, 7%, 17%
CMY	0.8127, 0.9264, 0.8283
CMYK	0.00, 0.61, 0.08, 0.81
HSL	308°, 44%, 13%
HSV	308°, 61%, 19%
XYZ	1.8872, 1.2610, 2.5043
YIQ	30.5210, 9.2590, 13.9230

Conversions

Conversions Part 2

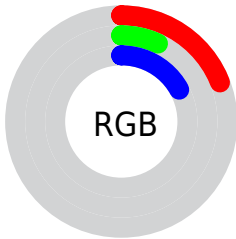
Format	Color
R_{YB}	48, 19, 44
Decimal	3150636
CIE Lab	11.00, 19.01, -10.33
CIE LCh	11, 21.636, 331.494
Yxy	1.2610, 0.3339, 0.2231
Android (android.graphics.Color)	4281340716 (0xFF30132C)
YUV	30.5210, 6.6451, 15.3291
Hunter-Lab	11.2295, 10.3463, -5.3619

Details

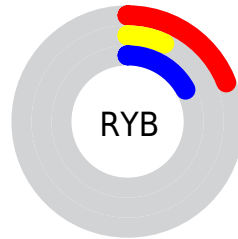
The CIELCh color **11, 21.636, 331.494** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **17, 21.751, 144.103**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **31, 21.574, 330.968**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 24.626, 332.003**, and if you desaturate by 10%, it is **12, 18.341, 330.983**.

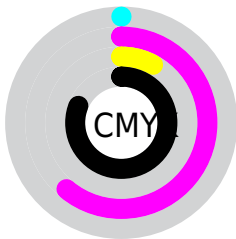
Distribution



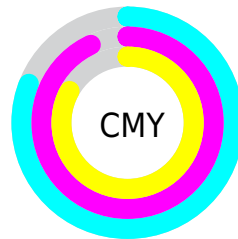
- Red (19%)
- Green (7%)
- Blue (17%)



- Red (19%)
- Yellow (7%)
- Blue (17%)



- Cyan (0%)
- Magenta (61%)
- Yellow (8%)
- Black (81%)




- Cyan (81%)
- Magenta (93%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 21.636, 331.494 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, 21.636, 331.494 by changing the saturation by 10% instead.

 11, 21.636,
331.494

 11, 21.636,
331.494

 100, 21.636,
331.494


 1, 21.636, 331.494


 31, 21.636,
331.494

 0, 21.636, 331.494

 41, 21.636,
331.494


 51, 21.636,
331.494


 61, 21.636,
331.494

 71, 21.636,
331.494


 81, 21.636,


331.494

 91, 21.636,
331.494


 11, 21.636,
331.494

 11, 21.636,
331.494


 10, 24.626,
332.003

 12, 18.341,
330.983

 9, 27.216, 332.508

 14, 14.844,
330.470

 8, 29.829, 332.982

 15, 11.228,
329.957

 7, 32.390, 333.361

 17, 7.559, 329.447

 18, 3.888, 328.937

 20, 0.248, 328.045

■ 21, 3.334, 148.040

■ 23, 6.844, 147.566

■ 25, 10.273,
147.121

Harmonies

Complementary

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



11, 21.636, 331.494



17, 21.751, 144.103

Rectangle

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



11, 21.636, 331.494



11, 21.636, 21.494



11, 21.636, 151.494



11, 21.636, 201.494

Sweetspot

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



11, 21.635, 331.494



22, 8.101, 329.359



8, 21.875, 300.883



9, 5.497, 329.388



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



11, 21.635, 331.494



14, 30.748, 332.314



10, 16.270, 357.869



7, 1.790, 328.580



18, 47.658, 334.058



49, 90.873, 334.668

Inverse Universe

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



11, 21.635, 331.494



14, 30.748, 332.314



17, 14.551, 166.039



7, 1.790, 328.580



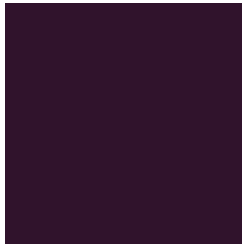
18, 47.658, 334.058



49, 90.873, 334.668

Previews

White Background



This preview shows how the CIELCh color 11, 21.636, 331.494 looks on a white background.

Color Contrast Check

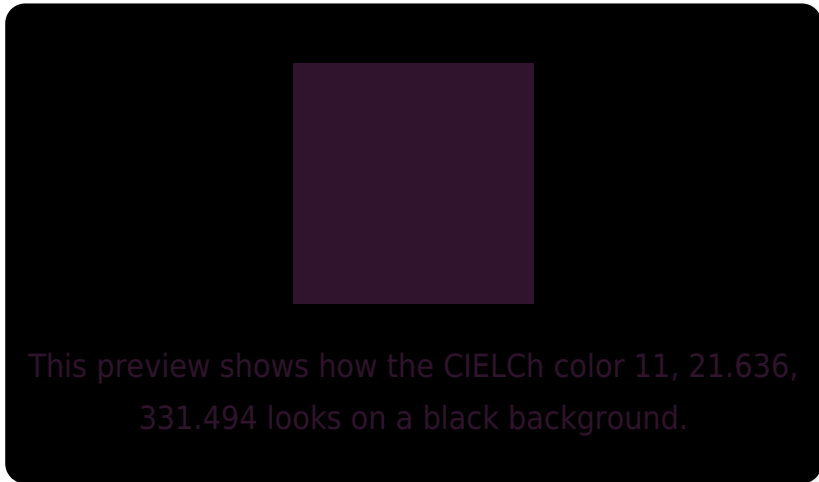
Large Text (above 18pt) WCAG AA ✓ Pass

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, 21.636, 331.494

Background



This preview shows how black text looks on a background with the CIELCh color 11, 21.636, 331.494.



This preview shows how white text looks on a background with the CIELCh color 11, 21.636, 331.494.

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, 21.636, 331.494

Protanopia

12, 16.910, 283.117

Deuteranopia

11, 8.799, 284.392



Tritanopia
11, 11.915, 19.780

Trichromacy



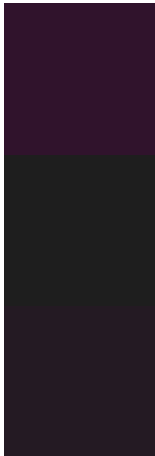
Original Color
11, 21.636, 331.494

Protanomaly
11, 17.687, 300.526

Deuteranomaly
11, 13.114, 311.591

Tritanomaly
11, 14.300, 354.468

Monochromacy



Original Color
11, 21.636, 331.494

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 8.203, 328.501

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 21.636, 331.494 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(48, 19, 44)` looks like.

```
.text, #text, p{  
    color:rgb(48, 19, 44)  
}
```

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(48, 19, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 19, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 21.636, 331.494 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(48, 19, 44) }
```

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

```
.border{ border-color:rgb(48, 19, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 19, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 19, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 19, 44);  
box-shadow:4px 4px 4px 4px rgb(48, 19, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 11, 21.636, 331.494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 19, 44) }
```

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

```
.background{ background-color: rgb(48, 19,  
44) }
```

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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