

Converting Colors

CIELCh(11, 5.720, 64.928)

Have a look what the booklet for
CIELCh(11, 5.720, 64.928) contains.

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Color

CIELCh(11, 5.309, 63.121)

Conversions

Conversions Part 1

Format	Color
Hex	231C17
RGB	35, 28, 23
RGB Percent	14%, 11%, 9%
CMY	0.8621, 0.8896, 0.9092
CMYK	0.00, 0.20, 0.34, 0.86
HSL	25°, 21%, 11%
HSV	25°, 34%, 14%
XYZ	1.2742, 1.2610, 0.9952
YIQ	29.5230, 5.7770, -0.0710

Conversions

Conversions Part 2

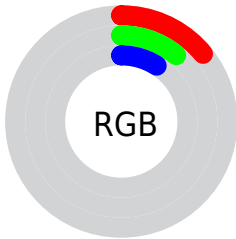
Format	Color
RYB	35, 32, 23
Decimal	2300951
CIELab	11.00, 2.40, 4.74
CIElCh	11, 5.309, 63.121
Yxy	1.2610, 0.3609, 0.3572
Android (android.graphics.Color)	4280491031 (0xFF231C17)
YUV	29.5230, -3.2158, 4.8033
Hunter-Lab	11.2295, 0.6035, 2.6061

Details

The CIELCh color **11, 5.309, 63.121** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **11, 4.764, 249.478**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **31, 5.215, 57.226**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 6.906, 61.819**, and if you desaturate by 10%, it is **12, 3.667, 63.915**.

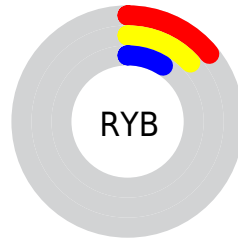
Distribution



Red (14%)

Green (11%)

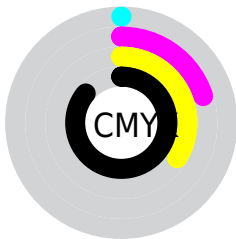
Blue (9%)



Red (14%)

Yellow (13%)

Blue (9%)

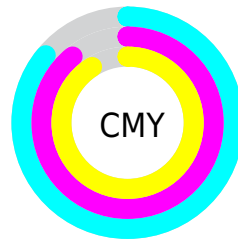


Cyan (0%)

Magenta (20%)

Yellow (34%)

Black (86%)



Cyan (86%)

Magenta (89%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 5.309, 63.121 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, 5.309, 63.121 by changing the saturation by 10% instead.

 11, 5.309, 63.121  11, 5.309, 63.121

 100, 5.309, 63.121  1, 5.309, 63.121

 31, 5.309, 63.121  0, 5.309, 63.121

 41, 5.309, 63.121

 51, 5.309, 63.121

 61, 5.309, 63.121

 71, 5.309, 63.121

 81, 5.309, 63.121

 91, 5.309, 63.121

 11, 5.309, 63.121  11, 5.309, 63.121

■ 10, 6.906, 61.819

■ 12, 3.667, 63.915

■ 9, 8.263, 59.451

■ 13, 2.100, 64.694

■ 9, 9.414, 56.359

■ 13, 0.601, 65.345

■ 8, 10.407, 52.731

■ 14, 0.834, 246.534

■ 7, 11.351, 50.035

■ 15, 2.210, 247.236

■ 7, 12.246, 48.671

■ 16, 3.534, 248.004

■ 6, 12.742, 48.355

■ 17, 4.809, 248.772

■ 18, 6.040, 249.528

■ 19, 7.232, 250.269

Harmonies

Complementary

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



11, 5.309, 63.121



11, 4.764, 249.478

Rectangle

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



11, 5.309, 63.121



11, 5.309, 113.121



11, 5.309, 243.121



11, 5.309, 293.121

Sweetspot

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



11, 5.309, 63.130



18, 1.847, 64.951



10, 7.954, 341.558



7, 1.098, 64.236



62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



11, 5.309, 63.130



15, 8.184, 62.370



13, 7.837, 103.883



5, 0.586, 64.611



20, 35.313, 55.118



52, 76.572, 53.934

Inverse Universe

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



11, 4.764, 249.478



15, 7.087, 250.862



9, 8.244, 289.870



5, 0.593, 247.180



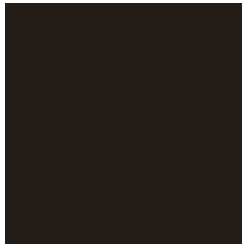
19, 24.873, 269.866



50, 52.847, 275.037

Previews

White Background



This preview shows how the CIELCh color 11, 5.309, 63.121 looks on a white background.

Color Contrast Check

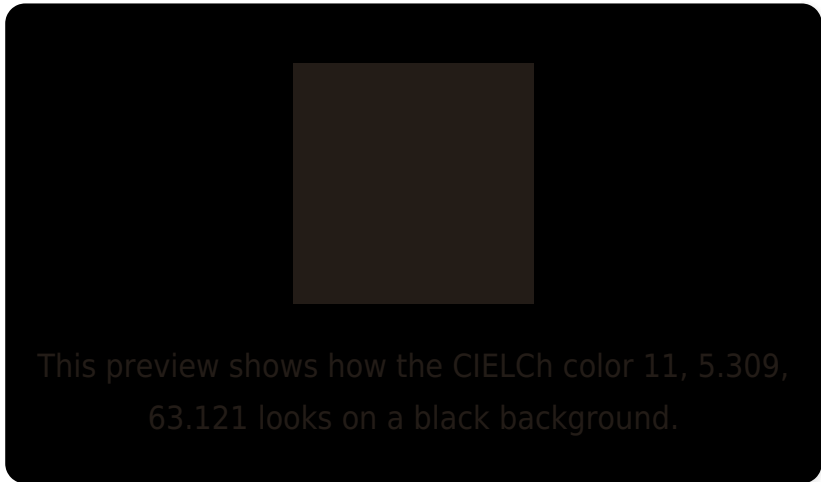
Large Text (above 18pt) WCAG AA ✓ Pass

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

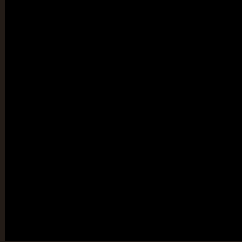
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 5.309, 63.121

Background



This preview shows how black text looks on a background with the CIELCh color 11, 5.309, 63.121.

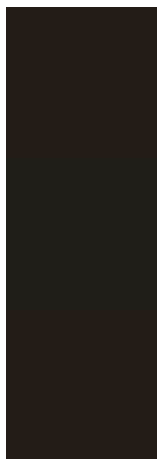


This preview shows how white text looks on a background with the CIELCh color 11, 5.309, 63.121.

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, 5.309, 63.121

Protanopia

11, 4.386, 101.818

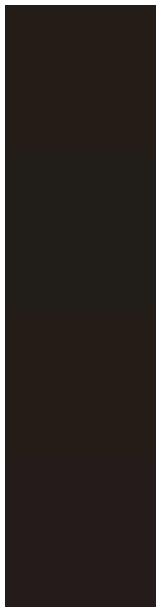
Deuteranopia

11, 5.309, 63.121



Tritanopia
11, 4.869, 3.500

Trichromacy



Original Color

11, 5.309, 63.121

Protanomaly

11, 4.233, 78.558

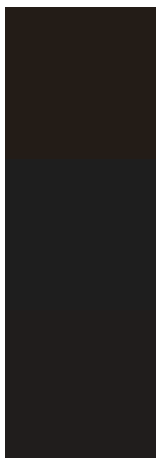
Deuteranomaly

11, 5.309, 63.121

Tritanomaly

11, 4.741, 20.754

Monochromacy



Original Color

11, 5.309, 63.121

Achromatopsia

11, 0.003, 296.813

Achromatomaly

11, 1.706, 44.935

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 5.309, 63.121 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(35, 28, 23)` looks like.

```
.text, #text, p{  
    color:rgb(35, 28, 23)  
}
```

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(35, 28, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 28, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 5.309, 63.121 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(35, 28, 23) }
```

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

```
.border{ border-color:rgb(35, 28, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 28, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 28, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 28, 23);  
box-shadow:4px 4px 4px 4px rgb(35, 28, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 11, 5.309, 63.121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 28, 23) }
```

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

```
.background{ background-color: rgb(35, 28,  
23) }
```

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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