Converting Colors

CIELCh(11, 1.522, 192.063)

Have a look what the booklet for CIELCh(11, 1.522, 192.063) contains.

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Color

CIELCh(11, 1.478, 199.112)

Conversions

Conversions Part 1

Format	Color
Hex	1B1E1E
RGB	27, 30, 30
RGB Percent	11%, 12%, 12%
CMY	0.8938, 0.8820, 0.8820
CMYK	0.10, 0.00, 0.00, 0.88
HSL	180°, 5%, 11%
HSV	180°, 10%, 12%
XYZ	1.1559, 1.2610, 1.4163
YIQ	29.1030, -1.7880, -0.6360

Conversions

Conversions Part 2

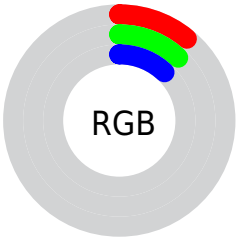
Format	Color
RYB	27, 29, 30
Decimal	1777182
CIELab	11.00, -1.40, -0.48
CIELCh	11, 1.478, 199.112
Yxy	1.2610, 0.3016, 0.3290
Android (android.graphics.Color)	4279967262 (0xFF1B1E1E)
YUV	29.1030, 0.4422, -1.8443
Hunter-Lab	11.2295, -1.2774, 0.3828

Details

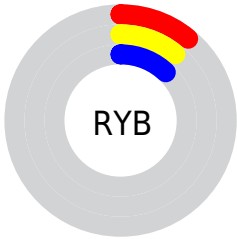
The CIELCh color 11, 1.478, 199.112 is a dark color, and the websafe version is hex 333333. A complement of this color would be 10, 1.547, 19.737, and the grayscale version is 11, 0.003, 296.813.

A 20% lighter version of the original color is 31, 1.726, 199.295, and 0, 0.000, 0.000 is the 20% darker color. If you saturate the color by 10%, you get 11, 2.904, 198.662, and if you desaturate by 10%, it is 11, 0.005, 345.039.

Distribution

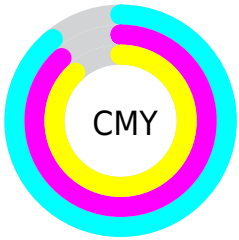


- Red (11%)
- Green (12%)
- Blue (12%)



- Red (11%)
- Yellow (11%)
- Blue (12%)

- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (88%)



- Cyan (89%)
- Magenta (88%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 1.478, 199.112 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, 1.478, 199.112 by changing the saturation by 10% instead.

11, 1.478, 199.112

11, 1.478, 199.112

100, 1.478, 199.112

1, 1.478, 199.112

0, 1.478, 199.112

31, 1.478, 199.112

41, 1.478, 199.112

51, 1.478, 199.112

61, 1.478, 199.112

71, 1.478, 199.112

81, 1.478, 199.112

91, 1.478, 199.112

11, 1.478, 199.112

11, 2.904, 198.662

10, 4.261, 198.287

10, 5.536, 197.946

10, 6.717, 197.637

10, 7.791, 197.360

10, 8.743, 197.138

10, 9.655, 196.993

9, 10.561, 196.903

9, 11.459, 196.855

11, 1.478, 199.112

11, 0.005, 345.039

12, 1.531, 19.702

12, 3.094, 20.182

12, 4.682, 20.639

13, 6.288, 21.095

13, 7.904, 21.553

14, 9.527, 22.012

14, 11.149, 22.471

14, 12.769, 22.928

Harmonies

Complementary

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

11, 1.478, 199.112

10, 1.547, 19.737

Rectangle

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

11, 1.478, 199.112

11, 1.478, 249.112

11, 1.478, 19.112

11, 1.478, 69.112

Sweetspot

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

11, 1.478, 199.094

15, 0.552, 199.580

11, 2.668, 143.616

6, 0.367, 199.689

61, 0.008, 296.813

6, 0.002, 296.812

Same Dimension

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

11, 1.478, 199.094

15, 2.174, 198.958

10, 1.300, 254.585

4, 0.540, 199.526

30, 21.442, 196.354

75, 42.761, 196.351

Inverse Universe

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

10, 1.547, 19.737

14, 2.306, 19.906

11, 1.323, 72.647

4, 0.540, 19.263

14, 40.356, 31.874

43, 89.205, 39.992

Previews

White Background

This preview shows how the CIELCh color 11, 1.478, 199.112 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

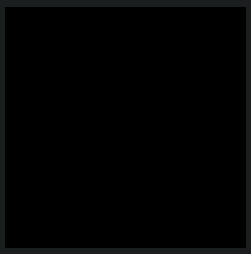
Black Background

Color Contrast Check

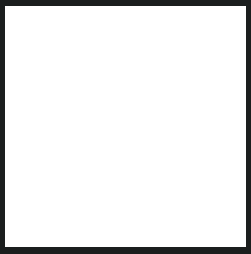
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 11, 1.478, 199.112 Background



This preview shows how black text looks on a background with the CIELCh color 11, 1.478, 199.112.



This preview shows how white text looks on a background with the CIELCh color 11, 1.478, 199.112.

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, 1.478, 199.112

Protanopia
11, 0.894, 324.493

Deuteranopia
11, 1.690, 354.256

Tritanopia
11, 2.034, 245.274

Trichromacy

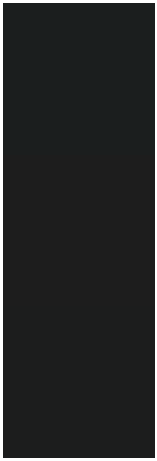
Original Color
11, 1.478, 199.112

Protanomaly
11, 0.735, 290.437

Deuteranomaly
11, 0.894, 324.493

Tritanomaly
11, 1.622, 226.005

Monochromacy



Original Color
11, 1.478, 199.112

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 0.500, 199.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 1.478, 199.112 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(27, 30, 30) looks like.

```
.text, #text, p{
    color:rgb(27, 30, 30)
}
```

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(27, 30, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 30, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 1.478, 199.112 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(27, 30, 30) }
```

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

```
.border{ border-color:rgb(27, 30, 30) }
```

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

Here you see how a box with a 4 pixel rgb(27, 30, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(27, 30, 30); -webkit-box-shadow:4px 4px 4px 4px rgb(27, 30, 30); box-shadow:4px 4px 4px 4px rgb(27, 30, 30) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 1.478, 199.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(27, 30, 30) }
```

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

```
.background{ background-color:rgb(27, 30,
30) }
```

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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