

Converting Colors

CIELCh(11, 4.807, 38.692)

Have a look what the booklet for
CIELCh(11, 4.807, 38.692) contains.

CIELCh(11, 4.513, 39.164)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(11, 4.513, 39.164)

Conversions

Conversions Part 1

Format	Color
Hex	241C1A
RGB	36, 28, 26
RGB Percent	14%, 11%, 10%
CMY	0.8599, 0.8913, 0.8991
CMYK	0.00, 0.22, 0.28, 0.86
HSL	12°, 16%, 12%
HSV	12°, 28%, 14%
XYZ	1.3099, 1.2610, 1.1360
YIQ	30.1640, 5.4100, 1.0740

Conversions

Conversions Part 2

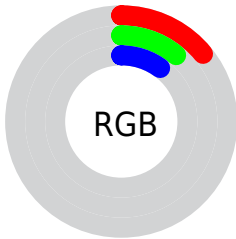
Format	Color
RYB	36, 29, 26
Decimal	2366490
CIELab	11.00, 3.50, 2.85
CIELCh	11, 4.513, 39.164
Yxy	1.2610, 0.3534, 0.3402
Android (android.graphics.Color)	4280556570 (0xFF241C1A)
YUV	30.1640, -2.0529, 5.1182
Hunter-Lab	11.2295, 1.1709, 1.8629

Details

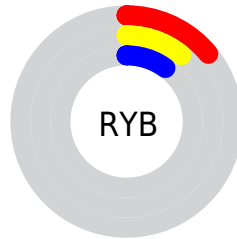
The CIELCh color **11, 4.513, 39.164** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **12, 3.915, 220.336**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **31, 4.708, 35.610**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 6.320, 39.146**, and if you desaturate by 10%, it is **12, 2.808, 39.196**.

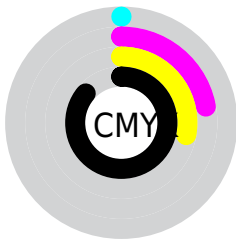
Distribution



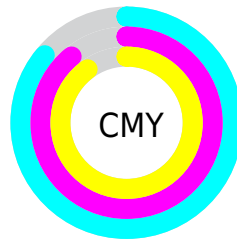
- Red (14%)
- Green (11%)
- Blue (10%)



- Red (14%)
- Yellow (11%)
- Blue (10%)



- Cyan (0%)
- Magenta (22%)
- Yellow (28%)
- Black (86%)



- Cyan (86%)
- Magenta (89%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 4.513, 39.164 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, 4.513, 39.164 by changing the saturation by 10% instead.

■ 11, 4.513, 39.164 ■ 11, 4.513, 39.164

■ 100, 4.513, 39.164 ■ 1, 4.513, 39.164

■ 31, 4.513, 39.164 ■ 0, 4.513, 39.164

■ 41, 4.513, 39.164

■ 51, 4.513, 39.164

■ 61, 4.513, 39.164

■ 71, 4.513, 39.164

■ 81, 4.513, 39.164

■ 91, 4.513, 39.164

■ 11, 4.513, 39.164 ■ 11, 4.513, 39.164

■ 10, 6.320, 39.146

■ 12, 2.808, 39.196

■ 9, 8.056, 37.618

■ 13, 1.205, 39.226

■ 8, 9.667, 34.892

■ 14, 0.302, 220.088

■ 7, 11.067, 32.426

■ 15, 1.721, 219.828

■ 6, 12.212, 30.780

■ 17, 3.060, 220.019

■ 6, 13.169, 30.515

■ 18, 4.326, 220.260

■ 5, 14.002, 31.032

■ 19, 5.526, 220.526

■ 5, 14.172, 31.134

■ 20, 6.666, 220.809

■ 21, 7.753, 221.101

Harmonies

Complementary

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



11, 4.513, 39.164



12, 3.915, 220.336

Rectangle

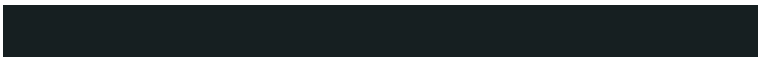
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



11, 4.513, 39.164



11, 4.513, 89.164



11, 4.513, 219.164



11, 4.513, 269.164

Sweetspot

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



11, 4.513, 39.173



18, 1.504, 39.228



11, 7.649, 331.874



7, 0.946, 38.537



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, 4.513, 39.173



14, 6.979, 39.205



13, 5.256, 91.026



5, 0.600, 38.605



16, 38.425, 40.330



46, 85.674, 43.304

Inverse Universe

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



12, 3.915, 220.336



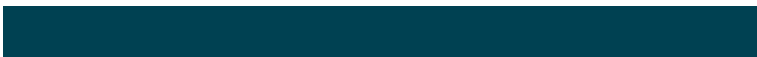
16, 5.771, 220.722



11, 5.274, 276.726



5, 0.596, 220.388



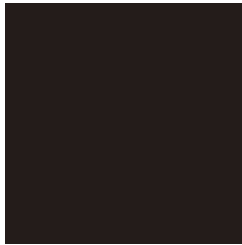
25, 19.087, 232.004



64, 37.863, 235.947

Previews

White Background



This preview shows how the CIELCh color 11, 4.513, 39.164 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

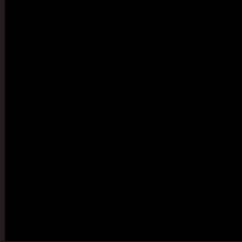
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

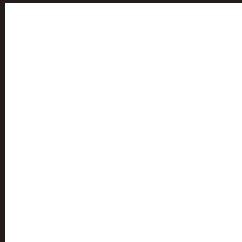
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 11, 4.513, 39.164

Background



This preview shows how black text looks on a background with the CIELCh color 11, 4.513, 39.164.

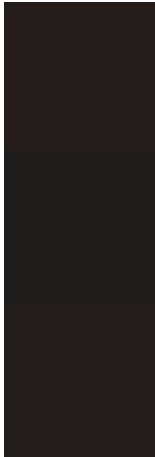


This preview shows how white text looks on a background with the CIELCh color 11, 4.513, 39.164.

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, 4.513, 39.164

Protanopia

11, 1.785, 74.210

Deuteranopia

11, 3.500, 44.674



Tritanopia

11, 4.869, 3.500

Trichromacy



Original Color

11, 4.513, 39.164

Protanomaly

11, 2.546, 54.581

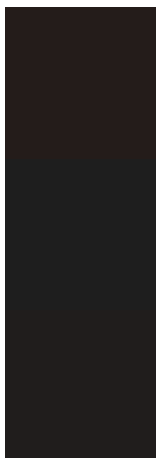
Deuteranomaly

11, 4.000, 41.556

Tritanomaly

11, 4.748, 12.009

Monochromacy



Original Color

11, 4.513, 39.164

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 CIE LCh 11, 4.513, 39.164 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(36, 28, 26)` looks like.

```
.text, #text, p{  
    color:rgb(36, 28, 26)  
}
```

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(36, 28, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 28, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 4.513, 39.164 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(36, 28, 26) }
```

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

```
.border{ border-color:rgb(36, 28, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 28, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 28, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 28, 26);  
box-shadow:4px 4px 4px 4px rgb(36, 28, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 11, 4.513, 39.164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 28, 26) }
```

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

```
.background{ background-color: rgb(36, 28,  
26) }
```

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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