

Converting Colors

CIELCh(11, 10.542, 42.713)

Have a look what the booklet for
CIELCh(11, 10.542, 42.713) contains.

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Color

CIELCh(11, 10.345, 41.642)

Conversions

Conversions Part 1

Format	Color
Hex	2A1914
RGB	42, 25, 20
RGB Percent	16%, 10%, 8%
CMY	0.8339, 0.9007, 0.9202
CMYK	0.00, 0.40, 0.52, 0.83
HSL	14°, 35%, 12%
HSV	14°, 52%, 17%
XYZ	1.4536, 1.2610, 0.8454
YIQ	29.5130, 11.7370, 2.0490

Conversions

Conversions Part 2

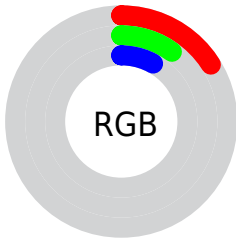
Format	Color
RYB	42, 26, 20
Decimal	2758932
CIELab	11.00, 7.73, 6.87
CIELCh	11, 10.345, 41.642
Yxy	1.2610, 0.4083, 0.3542
Android (android.graphics.Color)	4280949012 (0xFF2A1914)
YUV	29.5130, -4.6899, 10.9511
Hunter-Lab	11.2295, 3.4548, 3.3972

Details

The CIELCh color **11, 10.345, 41.642** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **14, 7.728, 225.631**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **31, 10.255, 42.386**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 12.375, 39.906**, and if you desaturate by 10%, it is **12, 8.120, 41.884**.

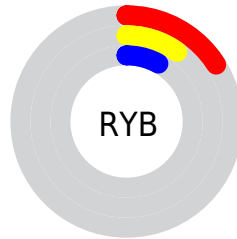
Distribution



Red (16%)

Green (10%)

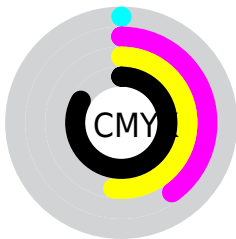
Blue (8%)



Red (16%)

Yellow (10%)

Blue (8%)

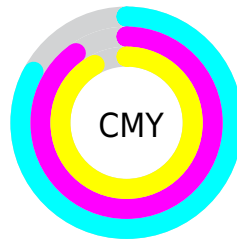


Cyan (0%)

Magenta (40%)

Yellow (52%)

Black (83%)



Cyan (83%)

Magenta (90%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 10.345, 41.642 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, 10.345, 41.642 by changing the saturation by 10% instead.

 11, 10.345, 41.642

 11, 10.345, 41.642

 100, 10.345,
41.642

 1, 10.345, 41.642

 31, 10.345, 41.642

 0, 10.345, 41.642

 41, 10.345, 41.642

 51, 10.345, 41.642

 61, 10.345, 41.642

 71, 10.345, 41.642

 81, 10.345, 41.642

 91, 10.345, 41.642

■ 11, 10.345, 41.642

■ 11, 10.345, 41.642

■ 10, 12.375, 39.906

■ 12, 8.120, 41.884

■ 9, 14.204, 37.201

■ 13, 5.982, 41.912

■ 8, 15.893, 34.198

■ 15, 3.976, 42.018

■ 7, 17.434, 32.555

■ 16, 2.094, 42.167

■ 6, 18.514, 32.242

■ 17, 0.329, 41.941

■ 18, 1.330, 222.930

■ 20, 2.891, 223.177

■ 21, 4.365, 223.502

■ 22, 5.759, 223.854

Harmonies

Complementary

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



11, 10.345, 41.642



14, 7.728, 225.631

Rectangle

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



11, 10.345, 41.642



11, 10.345, 91.642



11, 10.345, 221.642



11, 10.345, 271.642

Sweetspot

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



11, 10.345, 41.647



21, 3.618, 42.089



10, 16.095, 333.910



9, 2.374, 41.990



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



11, 10.345, 41.647



14, 16.460, 42.259



15, 11.603, 89.631



6, 0.752, 41.536



17, 39.165, 41.988



47, 85.509, 44.122

Inverse Universe

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



14, 7.728, 225.631



18, 11.084, 227.308



10, 11.827, 281.796



6, 0.748, 223.585



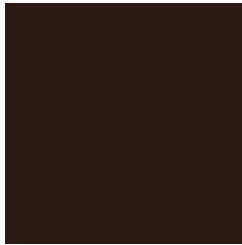
25, 19.707, 237.429



63, 38.909, 241.659

Previews

White Background



This preview shows how the CIELCh color 11, 10.345, 41.642 looks on a white background.

Color Contrast Check

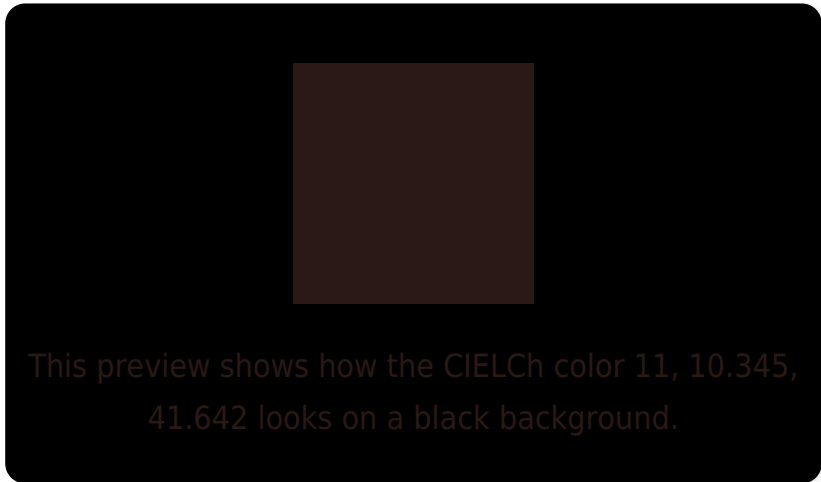
Large Text (above 18pt) WCAG AA ✓ Pass

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

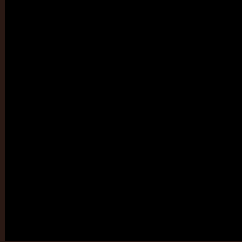
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 10.345, 41.642

Background



This preview shows how black text looks on a background with the CIELCh color 11, 10.345, 41.642.

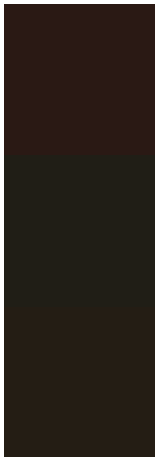


This preview shows how white text looks on a background with the CIELCh color 11, 10.345, 41.642.

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

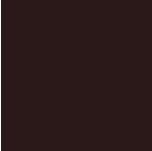
11, 10.345, 41.642

Protanopia

11, 5.896, 97.721

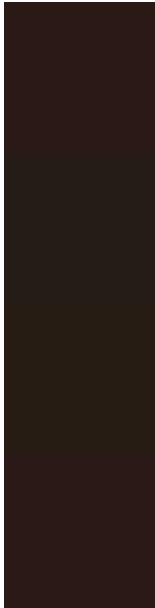
Deuteranopia

11, 7.586, 77.292



Tritanopia
11, 9.674, 18.173

Trichromacy



Original Color

11, 10.345, 41.642

Protanomaly

11, 6.789, 67.834

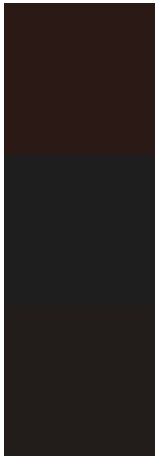
Deuteranomaly

11, 8.105, 64.760

Tritanomaly

11, 9.896, 26.483

Monochromacy



Original Color

11, 10.345, 41.642

Achromatopsia

11, 0.003, 296.813

Achromatomaly

11, 3.500, 44.674

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 10.345, 41.642 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(42, 25, 20)` looks like.

```
.text, #text, p{  
    color:rgb(42, 25, 20)  
}
```

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(42, 25, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 25, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 10.345, 41.642 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(42, 25, 20) }
```

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

```
.border{ border-color:rgb(42, 25, 20) }
```

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

Here you see how a box with a 4 pixel rgb(42, 25, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 25, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 25, 20);  
box-shadow:4px 4px 4px 4px rgb(42, 25, 20)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 11, 10.345, 41.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 25, 20) }
```

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

```
.background{ background-color: rgb(42, 25,  
20) }
```

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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