

Converting Colors

CIELCh(12, 10.390, 112.104)

Have a look what the booklet for
CIELCh(12, 10.390, 112.104)
contains.

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Color

CIELCh(12, 10.531, 113.182)

Conversions

Conversions Part 1

Format	Color
Hex	1F2112
RGB	31, 33, 18
RGB Percent	12%, 13%, 7%
CMY	0.8793, 0.8715, 0.9304
CMYK	0.06, 0.00, 0.46, 0.87
HSL	68°, 30%, 10%
HSV	68°, 46%, 13%
XYZ	1.2036, 1.4064, 0.7697
YIQ	30.6920, 3.6230, -5.0890

Conversions

Conversions Part 2

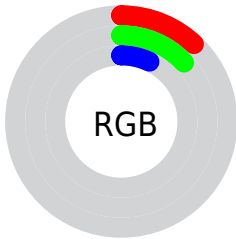
Format	Color
RYB	18, 33, 20
Decimal	2040082
CIELab	12.00, -4.15, 9.68
CIELCh	12, 10.531, 113.182
Yxy	1.4064, 0.3561, 0.4161
Android (android.graphics.Color)	4280230162 (0xFF1F2112)
YUV	30.6920, -6.2572, 0.2701
Hunter-Lab	11.8591, -2.6363, 4.4533

Details

The CIELCh color **12, 10.531, 113.182** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **6, 11.100, 296.625**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 10.705, 113.226**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 12.367, 113.325**, and if you desaturate by 10%, it is **12, 8.423, 113.337**.

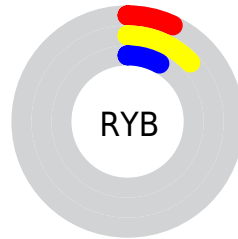
Distribution



Red (12%)

Green (13%)

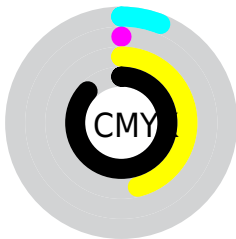
Blue (7%)



Red (7%)

Yellow (13%)

Blue (8%)

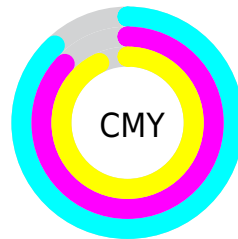


Cyan (6%)

Magenta (0%)

Yellow (46%)

Black (87%)



Cyan (88%)

Magenta (87%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 10.531, 113.182 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 12, 10.531, 113.182 by changing the saturation by 10% instead.

■ 12, 10.531,
113.182

■ 12, 10.531,
113.182

■ 100, 10.531,
113.182

■ 2, 10.531, 113.182

■ 32, 10.531,
113.182

■ 0, 10.531, 113.182

■ 42, 10.531,
113.182


■ 52, 10.531,
113.182


■ 62, 10.531,
113.182


■ 72, 10.531,
113.182


■ 82, 10.531,

113.182


 92, 10.531,
113.182

 12, 10.531,
113.182


 12, 10.531,
113.182

 12, 12.367,
113.325


 12, 8.423, 113.337

 12, 13.939,
113.623


 12, 6.102, 113.890

 12, 15.312,
113.999

 12, 3.749, 114.469

 12, 16.674,
114.361

 13, 1.383, 115.040

 12, 18.043,
114.708

 13, 0.988, 295.609

 13, 3.360, 296.153

 13, 5.727, 296.682

■ 11, 18.614,
114.849

■ 13, 8.087, 297.191

■ 13, 10.436,
297.680

Harmonies

Complementary

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



12, 10.531, 113.182



6, 11.100, 296.625

Rectangle

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



12, 10.531, 113.182



12, 10.531, 163.182



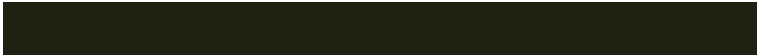
12, 10.531, 293.182



12, 10.531, 343.182

Sweetspot

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



12, 10.532, 113.185



17, 4.206, 114.512



8, 7.417, 28.430



8, 2.678, 115.722



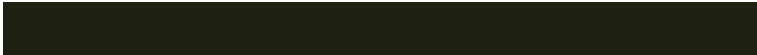
62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



12, 10.532, 113.185



17, 16.159, 112.004



11, 11.666, 132.208



4, 0.788, 115.538



31, 41.882, 110.205



78, 83.693, 110.932

Inverse Universe

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



6, 11.100, 296.625



8, 18.063, 300.002



7, 12.038, 314.079



4, 0.790, 295.207



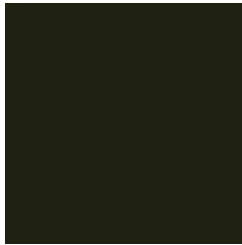
6, 55.300, 306.678



26, 113.323, 306.745

Previews

White Background



This preview shows how the CIELCh color 12, 10.531, 113.182 looks on a white background.

Color Contrast Check

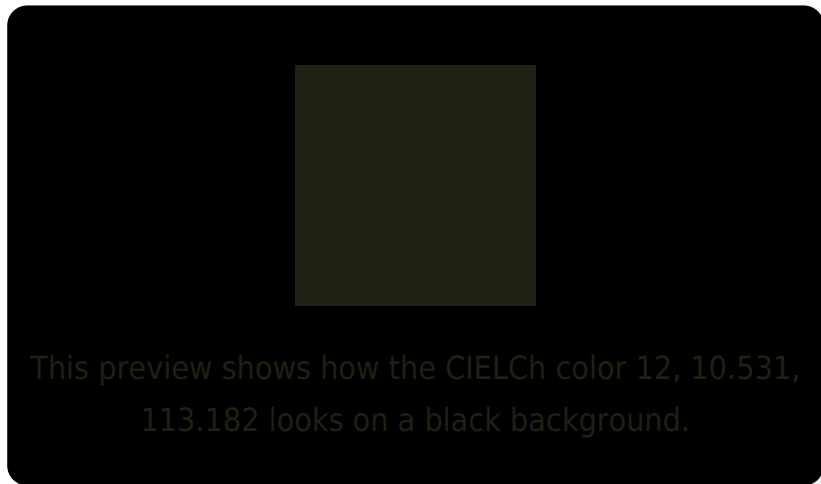
Large Text (above 18pt) WCAG AA ✓ Pass

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 12, 10.531, 113.182

Background



This preview shows how black text looks on a background with the CIELCh color 12, 10.531, 113.182.

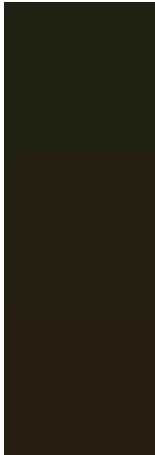


This preview shows how white text looks on a background with the CIELCh color 12, 10.531, 113.182.

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

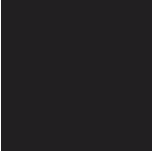
12, 10.531, 113.182

Protanopia

12, 10.525, 98.081

Deuteranopia

12, 9.617, 79.752



Tritanopia
12, 1.766, 324.646

Trichromacy



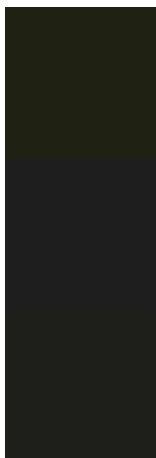
Original Color
12, 10.531, 113.182

Protanomaly
12, 10.396, 104.232

Deuteranomaly
12, 9.394, 93.788

Tritanomaly
12, 3.601, 109.060

Monochromacy



Original Color
12, 10.531, 113.182

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 3.660, 117.193

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 10.531, 113.182 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(31, 33, 18)` looks like.

```
.text, #text, p{  
    color:rgb(31, 33, 18)  
}
```

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(31, 33, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 33, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 10.531, 113.182 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(31, 33, 18) }
```

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

```
.border{ border-color:rgb(31, 33, 18) }
```

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

Here you see how a box with a 4 pixel rgb(31, 33, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 33, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 33, 18);  
box-shadow:4px 4px 4px 4px rgb(31, 33, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 10.531, 113.182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 33, 18) }
```

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

```
.background{ background-color: rgb(31, 33,  
18) }
```

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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