

Converting Colors

CIELCh(12, 21.173, 121.952)

Have a look what the booklet for
CIELCh(12, 21.173, 121.952)
contains.

CIELCh(12, 20.807, 122.323)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(12, 20.807, 122.323)

Conversions

Conversions Part 1

Format	Color
Hex	192300
RGB	25, 35, 0
RGB Percent	10%, 14%, 0%
CMY	0.9021, 0.8629, 1.0000
CMYK	0.29, 0.00, 1.00, 0.86
HSL	77°, 100%, 7%
HSV	77°, 100%, 14%
XYZ	1.0001, 1.4064, 0.2172
YIQ	28.0200, 5.2750, -13.0050

Conversions

Conversions Part 2

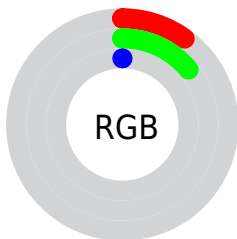
Format	Color
RYB	0, 35, 10
Decimal	1647360
CIELab	12.00, -11.13, 17.58
CIELCh	12, 20.807, 122.323
Yxy	1.4064, 0.3812, 0.5360
Android (android.graphics.Color)	4279837440 (0xFF192300)
YUV	28.0200, -13.8139, -2.6485
Hunter-Lab	11.8591, -5.7003, 7.2154

Details

The CIELCh color **12, 20.807, 122.323** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **2, 21.192, 299.091**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 21.162, 122.191**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 20.786, 122.337**, and if you desaturate by 10%, it is **12, 19.214, 121.759**.

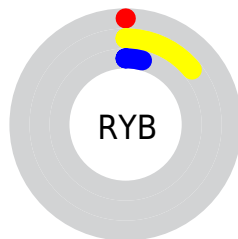
Distribution



Red (10%)

Green (14%)

Blue (0%)



Red (0%)

Yellow (14%)

Blue (4%)

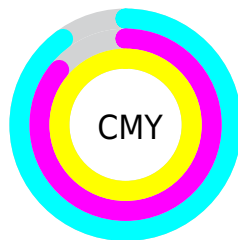


Cyan (29%)

Magenta (0%)

Yellow (100%)

Black (86%)



Cyan (90%)


Magenta (86%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 20.807, 122.323 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, 20.807, 122.323 by changing the saturation by 10% instead.

 12, 20.807,
122.323


 12, 20.807,
122.323


 100, 20.807,
122.323


 2, 20.807, 122.323


 32, 20.807,
122.323

 0, 20.807, 122.323

 42, 20.807,
122.323


 52, 20.807,
122.323


 62, 20.807,
122.323


 72, 20.807,
122.323


 82, 20.807,


122.323


 92, 20.807,
122.323


 12, 20.807,
122.323


 12, 20.807,
122.323

 12, 20.786,
122.337

 12, 19.214,
121.759

 12, 17.657,
121.132

 12, 16.113,
120.442

 13, 14.402,
119.829

 13, 12.407,
119.448

■ 13, 10.116,
119.468

■ 13, 7.617, 119.914

■ 13, 5.089, 120.374

■ 13, 2.545, 120.829

Harmonies

Complementary

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



12, 20.807, 122.323



2, 21.192, 299.091

Rectangle

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



12, 20.807, 122.323



12, 20.807, 172.323



12, 20.807, 302.323



12, 20.807, 352.323

Sweetspot

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



12, 20.786, 122.337



18, 9.597, 119.814



5, 13.150, 37.088



7, 5.300, 122.621



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, 20.786, 122.337



17, 27.507, 119.442



11, 24.449, 139.454



5, 1.048, 121.581



32, 44.189, 118.008



77, 87.691, 119.298

Inverse Universe

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



2, 21.192, 299.091



3, 30.140, 302.006



3, 23.583, 317.372



5, 1.049, 300.947



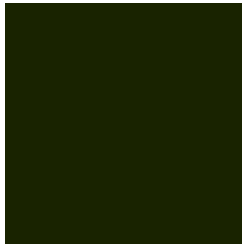
7, 56.181, 308.869



28, 112.184, 308.074

Previews

White Background



This preview shows how the CIELCh color 12, 20.807, 122.323 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

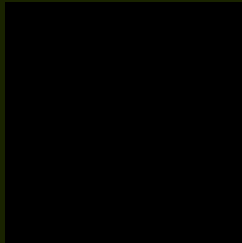
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 20.807, 122.323

Background



This preview shows how black text looks on a background with the CIELCh color 12, 20.807, 122.323.

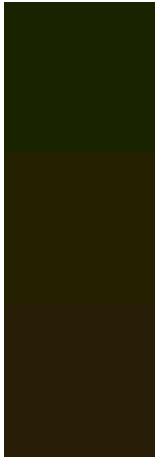


This preview shows how white text looks on a background with the CIELCh color 12, 20.807, 122.323.

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

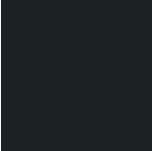
12, 20.807, 122.323

Protanopia

12, 17.996, 99.288

Deuteranopia

12, 14.952, 84.061



Tritanopia
12, 2.734, 230.979

Trichromacy



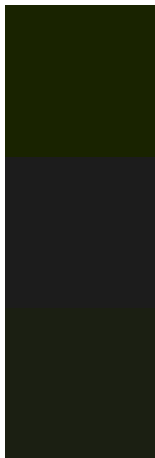
Original Color
12, 20.807, 122.323

Protanomaly
12, 18.536, 108.628

Deuteranomaly
12, 16.316, 100.751

Tritanomaly
12, 9.339, 130.725

Monochromacy



Original Color
12, 20.807, 122.323

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 9.396, 121.052

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 20.807, 122.323 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(25, 35, 0)` looks like.

```
.text, #text, p{  
    color:rgb(25, 35, 0)  
}
```

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(25, 35, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 35, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 20.807, 122.323 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(25, 35, 0) }
```

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

```
.border{ border-color:rgb(25, 35, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 35, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 35, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(25, 35, 0); box-shadow:4px  
4px 4px 4px rgb(25, 35, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 20.807, 122.323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 35, 0) }
```

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

```
.background{ background-color: rgb(25, 35,  
0) }
```

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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