

Converting Colors

CIELCh(15, 20.608, 122.781)

Have a look what the booklet for
CIElCh(15, 20.608, 122.781)
contains.

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Color

CIELCh(15, 20.139, 122.621)

Conversions

Conversions Part 1

Format	Color
Hex	1E290B
RGB	30, 41, 11
RGB Percent	12%, 16%, 4%
CMY	0.8814, 0.8382, 0.9554
CMYK	0.27, 0.00, 0.72, 0.84
HSL	82°, 57%, 10%
HSV	82°, 72%, 16%
XYZ	1.4068, 1.9086, 0.6222
YIQ	34.2910, 3.0740, -11.6620

Conversions

Conversions Part 2

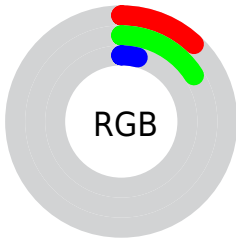
Format	Color
R_{YB}	11, 41, 22
Decimal	1976587
CIE Lab	15.00, -10.86, 16.96
CIE LCh	15, 20.139, 122.621
Yxy	1.9086, 0.3573, 0.4847
Android (android.graphics.Color)	4280166667 (0xFF1E290B)
YUV	34.2910, -11.4825, -3.7632
Hunter-Lab	13.8151, -5.9994, 7.0002

Details

The CIELCh color **15, 20.139, 122.621** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **5, 21.826, 305.876**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 19.662, 122.074**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 22.027, 123.264**, and if you desaturate by 10%, it is **15, 17.961, 122.188**.

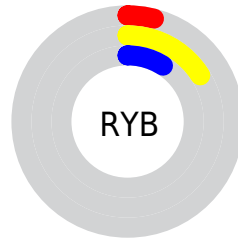
Distribution



Red (12%)

Green (16%)

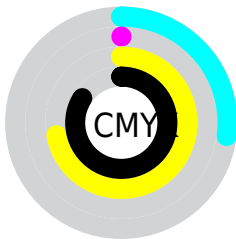
Blue (4%)



Red (4%)

Yellow (16%)

Blue (9%)

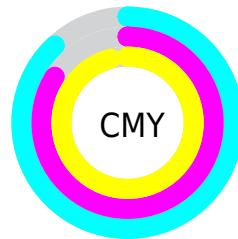


Cyan (27%)

Magenta (0%)

Yellow (72%)

Black (84%)



Cyan (88%)


Magenta (84%)


Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 20.139, 122.621 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 15, 20.139, 122.621 by changing the saturation by 10% instead.

 15, 20.139,
122.621


 15, 20.139,
122.621


 100, 20.139,
122.621


 5, 20.139, 122.621


 35, 20.139,
122.621

 0, 20.139, 122.621

 45, 20.139,
122.621


 55, 20.139,
122.621


 65, 20.139,
122.621


 75, 20.139,
122.621


 85, 20.139,


122.621


 95, 20.139,
122.621


 15, 20.139,
122.621


 15, 20.139,
122.621


 15, 22.027,
123.264

 15, 17.961,
122.188

 15, 23.912,
123.847

 15, 15.387,
122.190

 15, 25.348,
124.247

 16, 12.536,
122.590

 16, 9.621, 123.013

 16, 6.669, 123.442

 16, 3.699, 123.867

■ 17, 0.723, 124.304

■ 17, 2.248, 304.650

■ 17, 5.205, 305.028

Harmonies

Complementary

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



15, 20.139, 122.621



5, 21.826, 305.876

Rectangle

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



15, 20.139, 122.621



15, 20.139, 172.621



15, 20.139, 302.621



15, 20.139, 352.621

Sweetspot

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



15, 20.140, 122.622



22, 8.150, 123.403



10, 12.921, 50.749



10, 5.498, 123.744



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



15, 20.140, 122.622



20, 29.361, 121.794



14, 23.332, 138.356



6, 1.350, 124.742



32, 46.210, 121.767



77, 90.874, 123.184

Inverse Universe

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



5, 21.826, 305.876



6, 33.666, 308.139



7, 23.976, 323.163



6, 1.349, 303.989



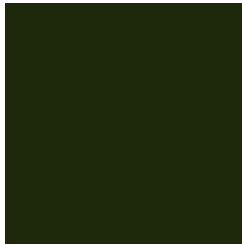
8, 56.684, 310.197



30, 111.534, 309.244

Previews

White Background



This preview shows how the CIELCh color 15, 20.139, 122.621 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

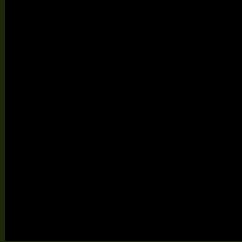
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 20.139, 122.621

Background



This preview shows how black text looks on a background with the CIELCh color 15, 20.139, 122.621.

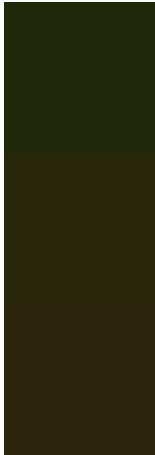


This preview shows how white text looks on a background with the CIELCh color 15, 20.139, 122.621.

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

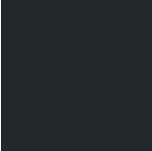
15, 20.139, 122.621

Protanopia

15, 17.905, 98.347

Deuteranopia

15, 16.572, 83.716



Tritanopia
15, 3.081, 242.576

Trichromacy



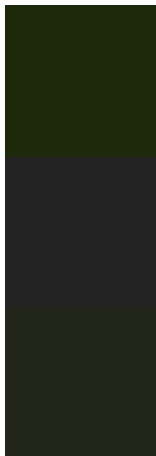
Original Color
15, 20.139, 122.621

Protanomaly
15, 18.355, 107.341

Deuteranomaly
15, 16.978, 100.045

Tritanomaly
15, 7.238, 137.302

Monochromacy



Original Color
15, 20.139, 122.621

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 8.033, 122.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 20.139, 122.621 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(30, 41, 11)` looks like.

```
.text, #text, p{  
    color:rgb(30, 41, 11)  
}
```

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(30, 41, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 41, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 20.139, 122.621 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(30, 41, 11) }
```

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

```
.border{ border-color:rgb(30, 41, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 41, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 41, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 41, 11);  
box-shadow:4px 4px 4px 4px rgb(30, 41, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 20.139, 122.621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 41, 11) }
```

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

```
.background{ background-color: rgb(30, 41,  
11) }
```

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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