

Converting Colors

CIELCh(22, 15.150, 314.666)

Have a look what the booklet for
CIELCh(22, 15.150, 314.666)
contains.

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Color

CIELCh(22, 15.199, 314.286)

Conversions

Conversions Part 1

Format	Color
Hex	3D3045
RGB	61, 48, 69
RGB Percent	24%, 19%, 27%
CMY	0.7614, 0.8124, 0.7301
CMYK	0.12, 0.30, 0.00, 0.73
HSL	277°, 18%, 23%
HSV	277°, 30%, 27%
XYZ	4.0338, 3.5154, 6.0689
YIQ	54.2810, 1.0070, 9.2870

Conversions

Conversions Part 2

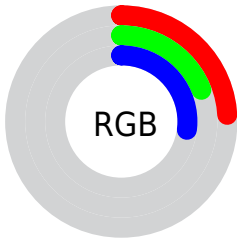
Format	Color
RYB	61, 48, 69
Decimal	4010053
CIELab	22.00, 10.61, -10.88
CIELCh	22, 15.199, 314.286
Yxy	3.5154, 0.2962, 0.2581
Android (android.graphics.Color)	4282200133 (0xFF3D3045)
YUV	54.2810, 7.2565, 5.8926
Hunter-Lab	18.7494, 5.5910, -6.0666

Details

The CIELCh color **22, 15.199, 314.286** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28, 14.793, 131.891**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 15.184, 314.987**, and **2, 15.214, 315.018** is the 20% darker color. If you saturate the color by 10%, you get **20, 20.311, 314.690**, and if you desaturate by 10%, it is **24, 10.125, 313.882**.

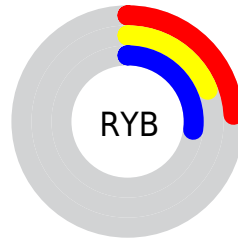
Distribution



Red (24%)

Green (19%)

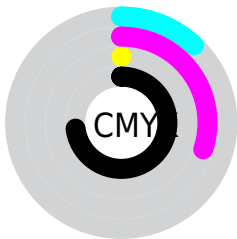
Blue (27%)



Red (24%)

Yellow (19%)

Blue (27%)

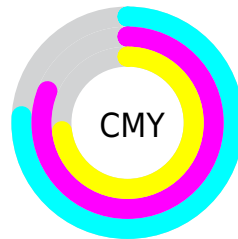


Cyan (12%)

Magenta (30%)

Yellow (0%)

Black (73%)



Cyan (76%)


Magenta (81%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 15.199, 314.286 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 22, 15.199, 314.286 by changing the saturation by 10% instead.

 22, 15.199,
314.286


 22, 15.199,
314.286

 100, 15.199,
314.286


 12, 15.199,
314.286


 42, 15.199,
314.286


 2, 15.199, 314.286


 52, 15.199,
314.286

 0, 15.199, 314.286

 62, 15.199,
314.286

 72, 15.199,
314.286

 82, 15.199,
314.286

 92, 15.199,

314.286

■ 22, 15.199,
314.286

■ 22, 15.199,
314.286

■ 20, 20.311,
314.690

■ 24, 10.125,
313.882

■ 17, 25.398,
315.078

■ 27, 5.132, 313.486

■ 15, 30.359,
315.423

■ 29, 0.243, 312.831

■ 31, 4.529, 132.805

■ 13, 35.053,
315.691

■ 34, 9.179, 132.480

■ 12, 39.286,
315.834

■ 36, 13.705,
132.188

■ 10, 43.017,
315.863

■ 39, 18.109,
131.924

■ 8, 47.040, 316.115

■ 41, 22.395,
131.686

■ 43, 26.568,
131.473

Harmonies

Complementary

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



22, 15.199, 314.286



28, 14.793, 131.891

Rectangle

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



22, 15.199, 314.286



22, 15.199, 4.286



22, 15.199, 134.286



22, 15.199, 184.286

Sweetspot

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



22, 15.198, 314.286



35, 5.454, 313.442



23, 9.112, 271.081



17, 3.826, 313.472



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



22, 15.198, 314.286



27, 23.003, 314.610



23, 15.384, 329.372



12, 2.630, 313.406



15, 59.613, 315.596



39, 110.573, 314.802

Inverse Universe

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



22, 11.115, 353.367



28, 16.832, 354.299



27, 15.359, 145.867



12, 1.911, 351.209



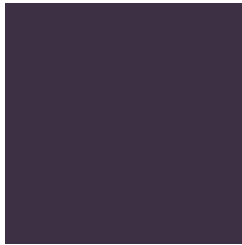
19, 41.637, 9.898



48, 77.455, 14.259

Previews

White Background



This preview shows how the CIE LCh color 22, 15.199, 314.286 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



This preview shows how the CIELCh color 22, 15.199, 314.286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

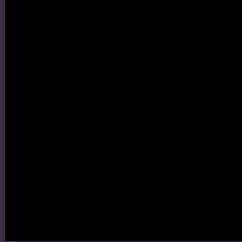
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 15.199, 314.286

Background



This preview shows how black text looks on a background with the CIELCh color 22, 15.199, 314.286.

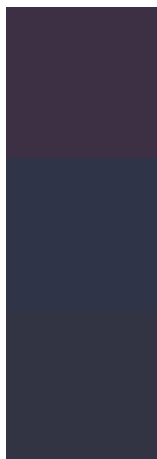


This preview shows how white text looks on a background with the CIELCh color 22, 15.199, 314.286.

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


22, 15.199, 314.286

Protanopia

22, 13.511, 284.821

Deuteranopia

22, 10.758, 288.194



Tritanopia
22, 4.583, 344.600

Trichromacy



Original Color
22, 15.199, 314.286

Protanomaly
22, 14.192, 296.540

Deuteranomaly
22, 12.275, 300.619

Tritanomaly
22, 8.105, 325.217

Monochromacy



Original Color
22, 15.199, 314.286

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 5.051, 311.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 15.199, 314.286 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(61, 48, 69)` looks like.

```
.text, #text, p{  
    color:rgb(61, 48, 69)  
}
```

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(61, 48, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 48, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 15.199, 314.286 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(61, 48, 69) }
```

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

```
.border{ border-color:rgb(61, 48, 69) }
```

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

Here you see how a box with a 4 pixel rgb(61, 48, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 48, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 48, 69);  
box-shadow:4px 4px 4px 4px rgb(61, 48, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 15.199, 314.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 48, 69) }
```

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

```
.background{ background-color: rgb(61, 48,  
69) }
```

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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