

Converting Colors

CIELCh(22, 11.524, 311.211)

Have a look what the booklet for
CIELCh(22, 11.524, 311.211)
contains.

CIELCh(22, 12.129, 311.126)	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(22, 12.129, 311.126)

Conversions

Conversions Part 1

Format	Color
Hex	3A3142
RGB	58, 49, 66
RGB Percent	23%, 19%, 26%
CMY	0.7717, 0.8070, 0.7403
CMYK	0.12, 0.26, 0.00, 0.74
HSL	272°, 15%, 23%
HSV	272°, 26%, 26%
XYZ	3.8537, 3.5154, 5.6627
YIQ	53.6290, -0.0930, 7.1950

Conversions

Conversions Part 2

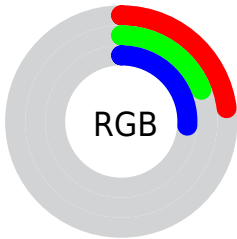
Format	Color
R_{YB}	58, 49, 66
Decimal	3813698
CIE Lab	22.00, 7.98, -9.14
CIE LCh	22, 12.129, 311.126
Yxy	3.5154, 0.2957, 0.2698
Android (android.graphics.Color)	4282003778 (0xFF3A3142)
YUV	53.6290, 6.0989, 3.8334
Hunter-Lab	18.7494, 3.8765, -4.7821

Details

The CIELCh color **22, 12.129, 311.126** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 11.783, 129.074**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 12.226, 310.686**, and **2, 12.128, 310.330** is the 20% darker color. If you saturate the color by 10%, you get **20, 17.018, 311.573**, and if you desaturate by 10%, it is **24, 7.323, 310.696**.

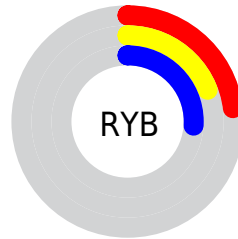
Distribution



Red (23%)

Green (19%)

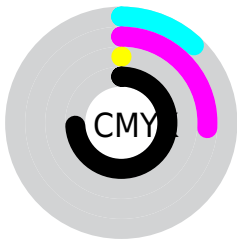
Blue (26%)



Red (23%)

Yellow (19%)

Blue (26%)

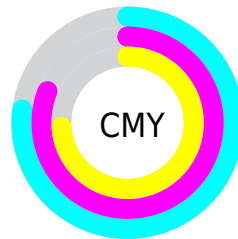


Cyan (12%)

Magenta (26%)

Yellow (0%)

Black (74%)



Cyan (77%)

Magenta (81%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 12.129, 311.126 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, 12.129, 311.126 by changing the saturation by 10% instead.

■ 22, 12.129,
311.126

■ 22, 12.129,
311.126

■ 100, 12.129,
311.126

■ 12, 12.129,
311.126

■ 42, 12.129,
311.126

■ 2, 12.129, 311.126

■ 52, 12.129,
311.126

■ 0, 12.129, 311.126

■ 62, 12.129,
311.126

■ 72, 12.129,
311.126

■ 82, 12.129,
311.126

■ 92, 12.129,

311.126

■ 22, 12.129,
311.126

■ 22, 12.129,
311.126

■ 20, 17.018,
311.573

■ 24, 7.323, 310.696

■ 27, 2.624, 310.283

■ 17, 21.954,
312.026

■ 29, 1.957, 129.967

■ 15, 26.870,
312.467

■ 31, 6.416, 129.611

■ 13, 31.665,
312.863

■ 34, 10.754,
129.304

■ 11, 36.186,
313.171

■ 36, 14.972,
129.030

■ 9, 40.228, 313.334

■ 39, 19.076,
128.785

■ 8, 44.428, 313.638

■ 41, 23.069,
128.569

■ 7, 46.306, 313.778

■ 43, 26.958,
128.377

Harmonies

Complementary

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



22, 12.129, 311.126



27, 11.783, 129.074

Rectangle

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



22, 12.129, 311.126



22, 12.129, 1.126



22, 12.129, 131.126



22, 12.129, 181.126

Sweetspot

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



22, 12.128, 311.125



34, 4.632, 310.393



24, 6.668, 260.559



16, 3.243, 310.427



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



22, 12.128, 311.125



28, 18.439, 311.421



23, 13.437, 326.123



11, 2.577, 310.400



13, 60.667, 313.291



37, 112.721, 312.446

Inverse Universe

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



23, 9.489, 347.337



29, 14.387, 347.978



26, 13.428, 143.401



12, 2.022, 345.845



19, 41.734, 1.775



48, 76.667, 5.468

Previews

White Background



This preview shows how the CIE LCh color 22, 12.129, 311.126 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 CIE LCh color 22, 12.129, 311.126 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, 12.129, 311.126

Background



This preview shows how black text looks on a background with the CIELCh color 22, 12.129, 311.126.



This preview shows how white text looks on a background with the CIELCh color 22, 12.129, 311.126.

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, 12.129, 311.126

Protanopia

22, 10.829, 283.960

Deuteranopia

22, 9.406, 289.723



Tritanopia
22, 3.554, 330.964

Trichromacy



Original Color
22, 12.129, 311.126

Protanomaly
22, 10.787, 294.772

Deuteranomaly
22, 10.195, 299.534

Tritanomaly
22, 6.855, 318.702

Monochromacy



Original Color
22, 12.129, 311.126

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 4.433, 315.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 12.129, 311.126 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(58, 49, 66)` looks like.

```
.text, #text, p{  
    color:rgb(58, 49, 66)  
}
```

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(58, 49, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 49, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 12.129, 311.126 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(58, 49, 66) }
```

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

```
.border{ border-color:rgb(58, 49, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 49, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 49, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 49, 66);  
box-shadow:4px 4px 4px 4px rgb(58, 49, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 12.129, 311.126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 49, 66) }
```

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

```
.background{ background-color: rgb(58, 49,  
66) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor