

Converting Colors

CIELCh(22, 7.603, 136.980)

Have a look what the booklet for
CIELCh(22, 7.603, 136.980) contains.

CIELCh(22, 7.704, 138.079)	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, 7.704, 138.079)

Conversions

Conversions Part 1

Format	Color
Hex	2F372D
RGB	47, 55, 45
RGB Percent	18%, 22%, 18%
CMY	0.8160, 0.7846, 0.8239
CMYK	0.15, 0.00, 0.18, 0.78
HSL	108°, 10%, 20%
HSV	108°, 18%, 22%
XYZ	3.0026, 3.5154, 2.9946
YIQ	51.4680, -1.5580, -4.8060

Conversions

Conversions Part 2

Format	Color
RYB	45, 55, 53
Decimal	3094317
CIELab	22.00, -5.73, 5.15
CIElCh	22, 7.704, 138.079
Yxy	3.5154, 0.3156, 0.3696
Android (android.graphics.Color)	4281284397 (0xFF2F372D)
YUV	51.4680, -3.1887, -3.9184
Hunter-Lab	18.7494, -4.2257, 3.6550

Details

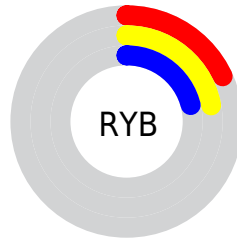
The CIELCh color **22, 7.704, 138.079** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 7.764, 319.488**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 7.663, 138.892**, and **2, 5.964, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **21, 11.958, 137.599**, and if you desaturate by 10%, it is **23, 3.457, 138.522**.

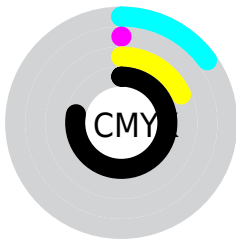
Distribution



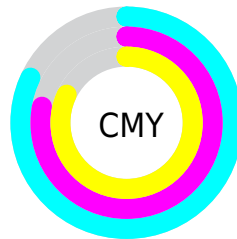
- Red (18%)
- Green (22%)
- Blue (18%)



- Red (18%)
- Yellow (22%)
- Blue (21%)



- Cyan (15%)
- Magenta (0%)
- Yellow (18%)
- Black (78%)



- Cyan (82%)
- Magenta (78%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 7.704, 138.079 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, 7.704, 138.079 by changing the saturation by 10% instead.

 22, 7.704, 138.079	 22, 7.704, 138.079
 100, 7.704, 138.079	 12, 7.704, 138.079
 42, 7.704, 138.079	 2, 7.704, 138.079
 52, 7.704, 138.079	 0, 7.704, 138.079
 62, 7.704, 138.079	
 72, 7.704, 138.079	
 82, 7.704, 138.079	
 92, 7.704, 138.079	
 22, 7.704, 138.079	 22, 7.704, 138.079

■ 21, 11.958,
137.599

■ 23, 3.457, 138.522

■ 21, 16.179,
137.075

■ 23, 0.756, 318.768

■ 24, 4.915, 319.199

■ 21, 20.318,
136.515

■ 24, 9.004, 319.502

■ 20, 24.313,
135.936

■ 25, 13.013,
319.764

■ 20, 28.080,
135.369

■ 26, 16.935,
319.992

■ 20, 31.432,
135.016

■ 27, 20.766,
320.190

■ 19, 34.227,
135.021

■ 27, 24.506,
320.362

■ 19, 36.905,
134.843

■ 28, 28.154,
320.511

■ 19, 37.376,

134.790

Harmonies

Complementary

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



22, 7.704, 138.079



20, 7.764, 319.488

Rectangle

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



22, 7.704, 138.079



22, 7.704, 188.079



22, 7.704, 318.079



22, 7.704, 8.079

Sweetspot

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



22, 7.705, 138.080



30, 2.619, 138.654



22, 5.425, 98.626



14, 1.751, 138.646



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



22, 7.705, 138.080



29, 11.611, 137.851



22, 6.628, 153.175



10, 2.376, 138.515



33, 55.235, 133.933



77, 105.085, 134.758

Inverse Universe

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



20, 7.764, 319.488



25, 11.720, 319.677



20, 6.673, 335.339



9, 2.388, 319.102



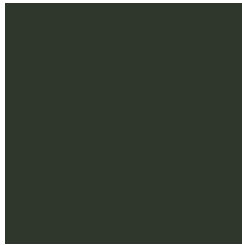
17, 55.723, 321.178



45, 105.125, 320.629

Previews

White Background



This preview shows how the CIELCh color 22, 7.704, 138.079 looks on a white background.

Color Contrast Check

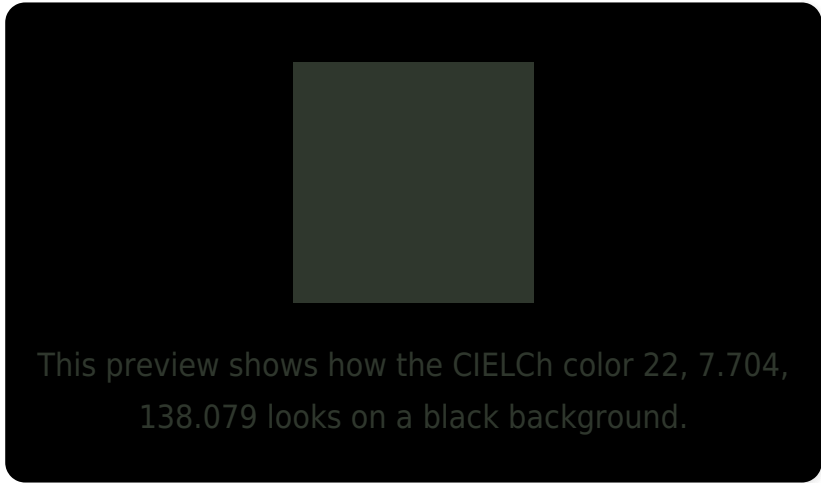
Large Text (above 18pt) WCAG AA ✓ Pass

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

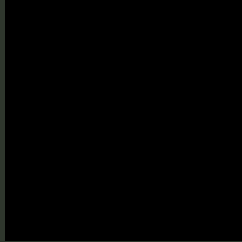
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

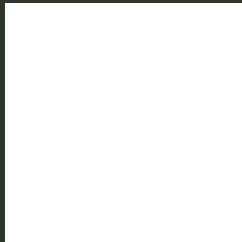
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 22, 7.704, 138.079

Background



This preview shows how black text looks on a background with the CIELCh color 22, 7.704, 138.079.

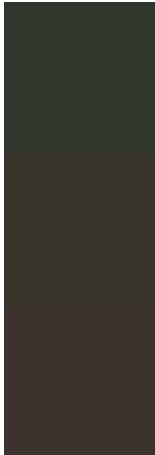


This preview shows how white text looks on a background with the CIELCh color 22, 7.704, 138.079.

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, 7.704, 138.079

Protanopia

22, 5.701, 88.808

Deuteranopia

22, 5.553, 56.878



Tritanopia
22, 3.183, 257.062

Trichromacy



Original Color
22, 7.704, 138.079

Protanomaly
22, 6.009, 108.796

Deuteranomaly
22, 4.268, 89.366

Tritanomaly
22, 2.808, 185.091

Monochromacy



Original Color
22, 7.704, 138.079

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 2.231, 134.499

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 7.704, 138.079 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(47, 55, 45)` looks like.

```
.text, #text, p{  
    color:rgb(47, 55, 45)  
}
```

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(47, 55, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 55, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 7.704, 138.079 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(47, 55, 45) }
```

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

```
.border{ border-color:rgb(47, 55, 45) }
```

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

Here you see how a box with a 4 pixel rgb(47, 55, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 55, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 55, 45);  
box-shadow:4px 4px 4px 4px rgb(47, 55, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 7.704, 138.079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 55, 45) }
```

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

```
.background{ background-color: rgb(47, 55,  
45) }
```

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