

Converting Colors

CIELCh(22, 26.123, 68.057)

Have a look what the booklet for
CIELCh(22, 26.123, 68.057) contains.

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Color

CIELCh(22, 26.163, 67.152)

Conversions

Conversions Part 1

Format	Color
Hex	4B2E10
RGB	75, 46, 16
RGB Percent	29%, 18%, 6%
CMY	0.7049, 0.8187, 0.9364
CMYK	0.00, 0.39, 0.78, 0.70
HSL	30°, 65%, 18%
HSV	30°, 78%, 30%
XYZ	4.0024, 3.5154, 0.9663
YIQ	51.2510, 26.9140, -3.1820

Conversions

Conversions Part 2

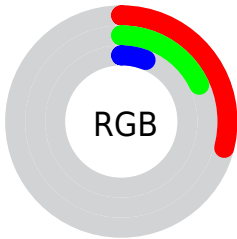
Format	Color
RYB	73, 75, 16
Decimal	4926992
CIELab	22.00, 10.16, 24.11
CIELCh	22, 26.163, 67.152
Yxy	3.5154, 0.4718, 0.4144
Android (android.graphics.Color)	4283117072 (0xFF4B2E10)
YUV	51.2510, -17.3787, 20.8279
Hunter-Lab	18.7494, 5.2920, 10.0691

Details

The CIELCh color **22, 26.163, 67.152** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **18, 21.741, 272.643**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 26.057, 66.838**, and **2, 10.012, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **21, 29.115, 65.308**, and if you desaturate by 10%, it is **23, 22.571, 68.436**.

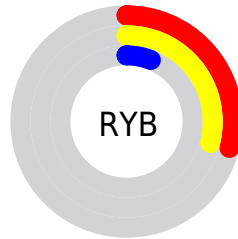
Distribution



 Red (29%)

 Green (18%)

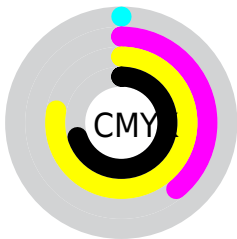
 Blue (6%)



 Red (29%)

 Yellow (29%)

 Blue (6%)

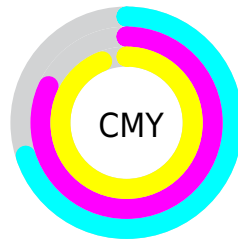



 Cyan (0%)


 Magenta (39%)

 Yellow (78%)

 Black (70%)



 Cyan (70%)

 Magenta (82%)

 Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 26.163, 67.152 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, 26.163, 67.152 by changing the saturation by 10% instead.

■ 22, 26.163, 67.152

■ 22, 26.163, 67.152

■ 100, 26.163,
67.152

■ 12, 26.163, 67.152

■ 42, 26.163, 67.152

■ 2, 26.163, 67.152

■ 52, 26.163, 67.152

■ 0, 26.163, 67.152

■ 62, 26.163, 67.152

■ 72, 26.163, 67.152

■ 82, 26.163, 67.152

■ 92, 26.163, 67.152

■ 22, 26.163, 67.152

■ 22, 26.163, 67.152

■ 21, 29.115, 65.308

■ 23, 22.571, 68.436

■ 20, 31.687, 63.388

■ 24, 18.961, 69.640

■ 20, 32.086, 63.123

■ 26, 15.421, 70.810

■ 27, 11.992, 71.965

■ 28, 8.692, 73.107

■ 29, 5.522, 74.230

■ 31, 2.477, 75.309

■ 32, 0.449, 256.878

■ 34, 3.268, 257.603

Harmonies

Complementary

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



22, 26.163, 67.152



18, 21.741, 272.643

Rectangle

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



22, 26.163, 67.152



22, 26.163, 117.152



22, 26.163, 247.152



22, 26.163, 297.152

Sweetspot

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



22, 26.163, 67.155



37, 8.972, 73.512



16, 30.655, 352.829



17, 6.103, 73.307



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



22, 26.163, 67.155



27, 38.424, 64.204



31, 34.114, 103.897



15, 1.659, 75.285



27, 42.448, 63.213



61, 78.670, 60.707

Inverse Universe

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



18, 21.741, 272.643



21, 31.910, 279.664



9, 42.755, 301.946



14, 1.632, 257.385



21, 35.449, 282.111



49, 68.760, 285.541

Previews

White Background



This preview shows how the CIE LCh color 22, 26.163, 67.152 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, 26.163, 67.152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

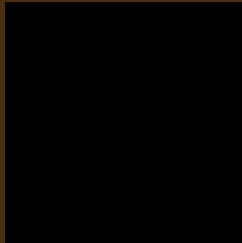
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 26.163, 67.152

Background



This preview shows how black text looks on a background with the CIELCh color 22, 26.163, 67.152.

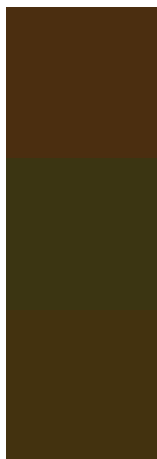


This preview shows how white text looks on a background with the CIELCh color 22, 26.163, 67.152.

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, 26.163, 67.152

Protanopia

22, 22.677, 96.700

Deuteranopia

22, 24.632, 82.280



Tritanopia
22, 16.884, 16.675

Trichromacy



Original Color
22, 26.163, 67.152

Protanomaly
22, 23.394, 85.734

Deuteranomaly
22, 25.236, 77.308

Tritanomaly
22, 18.212, 41.514

Monochromacy



Original Color
22, 26.163, 67.152

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 9.367, 71.479

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 26.163, 67.152 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(75, 46, 16)` looks like.

```
.text, #text, p{  
    color:rgb(75, 46, 16)  
}
```

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(75, 46, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 46, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 26.163, 67.152 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(75, 46, 16) }
```

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

```
.border{ border-color:rgb(75, 46, 16) }
```

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

Here you see how a box with a 4 pixel rgb(75, 46, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 46, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 46, 16);  
box-shadow:4px 4px 4px 4px rgb(75, 46, 16)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 26.163, 67.152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 46, 16) }
```

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

```
.background{ background-color: rgb(75, 46,  
16) }
```

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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