

Converting Colors

CIELCh(22, 17.177, 36.518)

Have a look what the booklet for
CIELCh(22, 17.177, 36.518) contains.

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Color

CIELCh(22, 17.284, 35.924)

Conversions

Conversions Part 1

Format	Color
Hex	4C2C26
RGB	76, 44, 38
RGB Percent	30%, 17%, 15%
CMY	0.7007, 0.8263, 0.8499
CMYK	0.00, 0.42, 0.50, 0.70
HSL	9°, 33%, 22%
HSV	9°, 50%, 30%
XYZ	4.2731, 3.5154, 2.3113
YIQ	52.8840, 20.9980, 4.9180

Conversions

Conversions Part 2

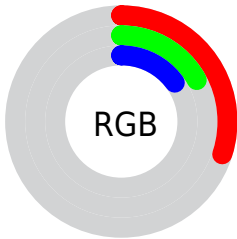
Format	Color
R_YB	76, 45, 38
Decimal	4992038
CIE Lab	22.00, 14.00, 10.14
CIE LCh	22, 17.284, 35.924
Yxy	3.5154, 0.4231, 0.3481
Android (android.graphics.Color)	4283182118 (0xFF4C2C26)
YUV	52.8840, -7.3378, 20.2727
Hunter-Lab	18.7494, 7.8700, 5.8159

Details

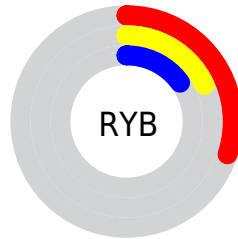
The CIELCh color **22, 17.284, 35.924** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **28, 12.307, 216.359**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 17.423, 35.353**, and **3, 13.194, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **20, 21.486, 36.694**, and if you desaturate by 10%, it is **24, 13.318, 35.379**.

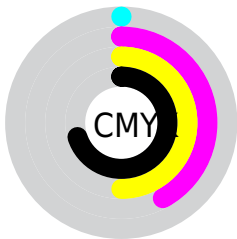
Distribution



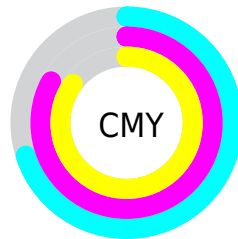
- Red (30%)
- Green (17%)
- Blue (15%)



- Red (30%)
- Yellow (18%)
- Blue (15%)



- Cyan (0%)
- Magenta (42%)
- Yellow (50%)
- Black (70%)



- Cyan (70%)
- Magenta (83%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 17.284, 35.924 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, 17.284, 35.924 by changing the saturation by 10% instead.

 22, 17.284, 35.924

 22, 17.284, 35.924

 100, 17.284,
35.924

 12, 17.284, 35.924

 42, 17.284, 35.924

 2, 17.284, 35.924

 52, 17.284, 35.924

 0, 17.284, 35.924

 62, 17.284, 35.924

 72, 17.284, 35.924

 82, 17.284, 35.924

 92, 17.284, 35.924

 22, 17.284, 35.924

 22, 17.284, 35.924

■ 20, 21.486, 36.694

■ 24, 13.318, 35.379

■ 18, 25.883, 37.699

■ 26, 9.607, 35.011

■ 17, 30.180, 38.445

■ 28, 6.151, 34.784

■ 16, 33.601, 37.781

■ 30, 2.939, 34.641

■ 14, 36.579, 37.559

■ 32, 0.046, 220.749

■ 14, 36.623, 37.563

■ 35, 2.823, 214.901

■ 37, 5.412, 214.977

■ 39, 7.833, 215.123

■ 41, 10.105,
215.307

Harmonies

Complementary

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



22, 17.284, 35.924



28, 12.307, 216.359

Rectangle

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



22, 17.284, 35.924



22, 17.284, 85.924



22, 17.284, 215.924



22, 17.284, 265.924

Sweetspot

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



22, 17.283, 35.928



38, 5.696, 34.718



22, 26.370, 331.617



18, 3.935, 34.734



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



22, 17.283, 35.928



27, 27.030, 36.913



27, 17.389, 83.823



14, 1.662, 34.623



21, 48.190, 40.572



50, 93.508, 42.073

Inverse Universe

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



28, 12.307, 216.359



35, 17.338, 217.447



21, 17.103, 277.713



15, 1.582, 214.901



33, 22.244, 224.549



72, 40.206, 226.881

Previews

White Background



This preview shows how the CIE LCh color 22, 17.284, 35.924 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, 17.284, 35.924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

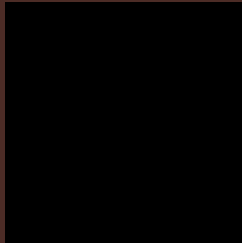
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 17.284, 35.924

Background



This preview shows how black text looks on a background with the CIELCh color 22, 17.284, 35.924.

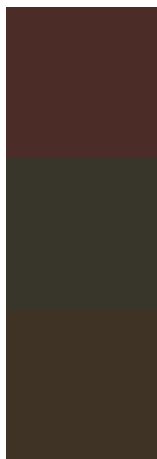


This preview shows how white text looks on a background with the CIELCh color 22, 17.284, 35.924.

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, 17.284, 35.924

Protanopia

22, 7.481, 97.037

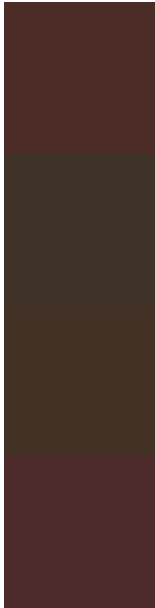
Deuteranopia

22, 11.300, 74.816



Tritanopia
22, 16.884, 16.675

Trichromacy



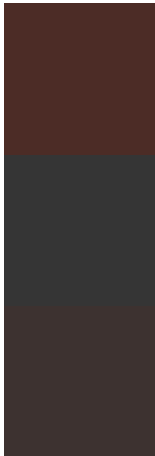
Original Color
22, 17.284, 35.924

Protanomaly
22, 9.002, 61.840

Deuteranomaly
22, 12.917, 58.538

Tritanomaly
22, 17.149, 23.281

Monochromacy



Original Color
22, 17.284, 35.924

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 5.510, 34.371

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 17.284, 35.924 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(76, 44, 38)` looks like.

```
.text, #text, p{  
    color:rgb(76, 44, 38)  
}
```

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(76, 44, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 44, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 17.284, 35.924 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(76, 44, 38) }
```

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

```
.border{ border-color:rgb(76, 44, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 44, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 44, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 44, 38);  
box-shadow:4px 4px 4px 4px rgb(76, 44, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 17.284, 35.924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 44, 38) }
```

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

```
.background{ background-color: rgb(76, 44,  
38) }
```

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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