

Converting Colors

CIELCh(22, 31.862, 33.214)

Have a look what the booklet for
CIELCh(22, 31.862, 33.214) contains.

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Color

CIELCh(22, 31.954, 33.761)

Conversions

Conversions Part 1

Format	Color
Hex	5D221C
RGB	93, 34, 28
RGB Percent	36%, 13%, 11%
CMY	0.6368, 0.8679, 0.8913
CMYK	0.00, 0.64, 0.70, 0.64
HSL	6°, 54%, 24%
HSV	6°, 70%, 36%
XYZ	5.2450, 3.5154, 1.4827
YIQ	50.9570, 37.0900, 10.6420

Conversions

Conversions Part 2

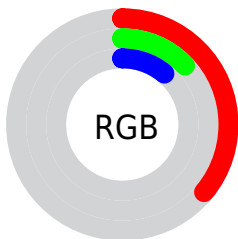
Format	Color
RYB	93, 35, 28
Decimal	6103580
CIELab	22.00, 26.57, 17.76
CIELCh	22, 31.954, 33.761
Yxy	3.5154, 0.5121, 0.3432
Android (android.graphics.Color)	4284293660 (0xFF5D221C)
YUV	50.9570, -11.3178, 36.8717
Hunter-Lab	18.7494, 17.1223, 8.4360

Details

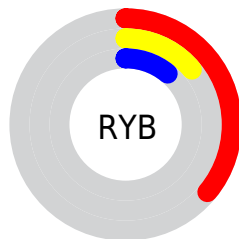
The CIELCh color **22, 31.954, 33.761** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **34, 18.856, 208.634**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 31.748, 33.298**, and **5, 22.482, 19.877** is the 20% darker color. If you saturate the color by 10%, you get **20, 37.272, 35.760**, and if you desaturate by 10%, it is **24, 26.648, 32.091**.

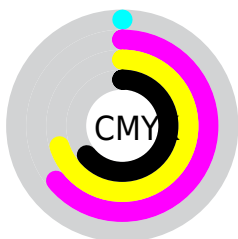
Distribution



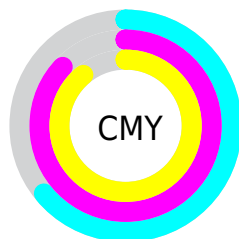
- Red (36%)
- Green (13%)
- Blue (11%)



- Red (36%)
- Yellow (14%)
- Blue (11%)



- Cyan (0%)
- Magenta (64%)
- Yellow (70%)
- Black (64%)



- Cyan (64%)
- Magenta (87%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 31.954, 33.761 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, 31.954, 33.761 by changing the saturation by 10% instead.

■ 22, 31.954, 33.761

■ 22, 31.954, 33.761

■ 100, 31.954,
33.761

■ 12, 31.954, 33.761

■ 42, 31.954, 33.761

■ 2, 31.954, 33.761

■ 52, 31.954, 33.761

■ 0, 31.954, 33.761

■ 62, 31.954, 33.761

■ 72, 31.954, 33.761

■ 82, 31.954, 33.761

■ 92, 31.954, 33.761

■ 22, 31.954, 33.761

■ 22, 31.954, 33.761

■ 20, 37.272, 35.760

■ 24, 26.648, 32.091

■ 19, 41.635, 36.660

■ 26, 21.507, 30.768

■ 18, 45.036, 37.469

■ 29, 16.614, 29.753

■ 31, 12.012, 28.991

■ 34, 7.719, 28.425

■ 37, 3.730, 27.987

■ 39, 0.029, 16.867

■ 42, 3.406, 207.716

■ 45, 6.600, 207.565

Harmonies

Complementary

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



22, 31.954, 33.761



34, 18.856, 208.634

Rectangle

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



22, 31.954, 33.761



22, 31.954, 83.761



22, 31.954, 213.761



22, 31.954, 263.761

Sweetspot

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



22, 31.953, 33.764



43, 10.041, 28.503



23, 42.929, 330.379



21, 6.896, 28.595



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



22, 31.953, 33.764



26, 48.741, 37.190



30, 28.073, 74.960



17, 2.048, 27.934



22, 52.467, 39.127



50, 97.649, 40.847

Inverse Universe

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



34, 18.856, 208.634



42, 24.782, 209.989



23, 25.943, 277.963



18, 1.943, 207.725



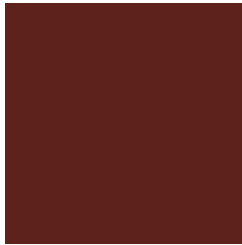
38, 24.213, 211.741



79, 42.471, 212.863

Previews

White Background



This preview shows how the CIELCh color 22, 31.954, 33.761 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, 31.954, 33.761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

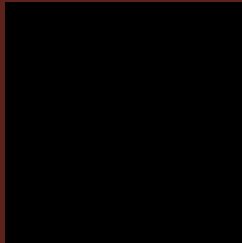
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 31.954, 33.761

Background



This preview shows how black text looks on a background with the CIELCh color 22, 31.954, 33.761.

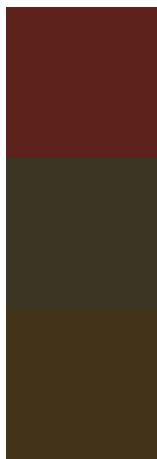


This preview shows how white text looks on a background with the CIELCh color 22, 31.954, 33.761.

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, 31.954, 33.761

Protanopia

23, 12.827, 95.749

Deuteranopia

22, 19.962, 80.223



Tritanopia
22, 30.530, 25.126

Trichromacy



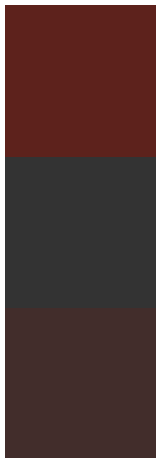
Original Color
22, 31.954, 33.761

Protanomaly
22, 16.606, 57.569

Deuteranomaly
22, 22.233, 57.397

Tritanomaly
22, 31.195, 28.573

Monochromacy



Original Color
22, 31.954, 33.761

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 10.666, 28.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 31.954, 33.761 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(93, 34, 28)` looks like.

```
.text, #text, p{  
    color:rgb(93, 34, 28)  
}
```

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(93, 34, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 34, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 31.954, 33.761 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(93, 34, 28) }
```

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

```
.border{ border-color:rgb(93, 34, 28) }
```

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

Here you see how a box with a 4 pixel rgb(93, 34, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 34, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 34, 28);  
box-shadow:4px 4px 4px 4px rgb(93, 34, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 31.954, 33.761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 34, 28) }
```

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

```
.background{ background-color: rgb(93, 34,  
28) }
```

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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