Converting Colors

CIELCh(22, 2.382, 30.602)

Have a look what the booklet for CIELCh(22, 2.382, 30.602) contains.

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Color

CIELCh(22, 2.450, 35.563)

Conversions

Conversions Part 1

Format	Color
Hex	393433
RGB	57, 52, 51
RGB Percent	22%, 20%, 20%
CMY	0.7780, 0.7976, 0.8015
CMYK	0.00, 0.09, 0.11, 0.78
HSL	10°, 6%, 21%
HSV	10°, 11%, 22%
XYZ	3.4648, 3.5154, 3.5833
YIQ	53.3810, 3.3010, 0.7490

Conversions

Conversions Part 2

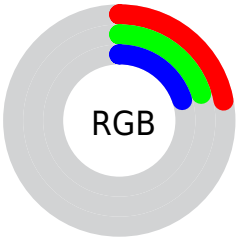
Format	Color
RYB	57, 52, 51
Decimal	3748915
CIELab	22.00, 1.99, 1.42
CIELCh	22, 2.450, 35.563
Yxy	3.5154, 0.3280, 0.3328
Android (android.graphics.Color)	4281938995 (0xFF393433)
YUV	53.3810, -1.1738, 3.1739
Hunter-Lab	18.7494, 0.1739, 1.7933

Details

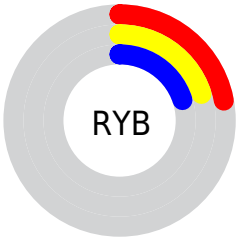
The CIELCh color 22, 2.450, 35.563 is a dark color, and the websafe version is hex 333333. A complement of this color would be 23, 2.313, 215.917, and the grayscale version is 22, 0.004, 296.813.

A 20% lighter version of the original color is 42, 2.597, 32.983, and 2, 2.377, 29.160 is the 20% darker color. If you saturate the color by 10%, you get 20, 4.936, 35.681, and if you desaturate by 10%, it is 24, 0.131, 33.974.

Distribution

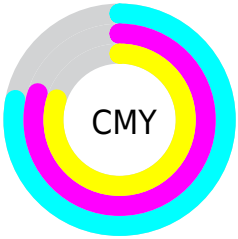


- Red (22%)
- Green (20%)
- Blue (20%)



- Red (22%)
- Yellow (20%)
- Blue (20%)

- Cyan (0%)
- Magenta (9%)
- Yellow (11%)
- Black (78%)



- Cyan (78%)
- Magenta (80%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 2.450, 35.563 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, 2.450, 35.563 by changing the saturation by 10% instead.

22, 2.450, 35.563

22, 2.450, 35.563

100, 2.450, 35.563

12, 2.450, 35.563

42, 2.450, 35.563

2, 2.450, 35.563

52, 2.450, 35.563

0, 2.450, 35.563

62, 2.450, 35.563

72, 2.450, 35.563

82, 2.450, 35.563

92, 2.450, 35.563

22, 2.450, 35.563

22, 2.450, 35.563

20, 4.936, 35.681

24, 0.131, 33.974

19, 7.601, 35.850

17, 10.453, 36.138

16, 13.494, 36.578

14, 16.715, 37.200

13, 19.844, 37.099

12, 22.522, 35.626

10, 24.875, 33.985

10, 26.941, 33.300

25, 2.035, 215.910

27, 4.061, 215.995

29, 5.962, 216.154

31, 7.751, 216.348

32, 9.439, 216.566

34, 11.038, 216.799

36, 12.558, 217.042

38, 14.007, 217.291

Harmonies

Complementary

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

22, 2.450, 35.563

23, 2.313, 215.917

Rectangle

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

22, 2.450, 35.563

22, 2.450, 85.563

22, 2.450, 215.563

22, 2.450, 265.563

Sweetspot

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

22, 2.450, 35.584

31, 0.845, 35.373

22, 4.358, 329.909

15, 0.648, 35.415

68, 0.008, 296.813

15, 0.003, 296.813

Same Dimension

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

22, 2.450, 35.584

29, 3.801, 35.612

23, 2.813, 89.970

9, 1.261, 35.558

18, 43.572, 39.997

48, 90.017, 42.334

Inverse Universe

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

23, 2.313, 215.917

30, 3.526, 215.946

22, 2.813, 272.337

10, 1.207, 215.910

29, 20.647, 225.901

69, 38.860, 228.730

Previews

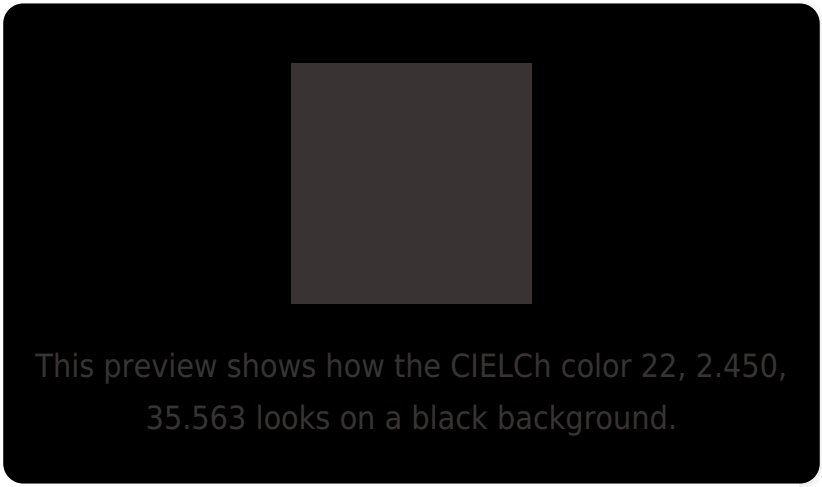
White Background

This preview shows how the CIELCh color 22, 2.450, 35.563 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

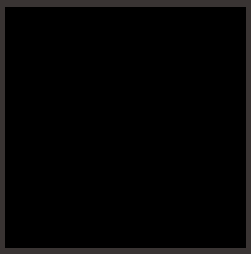


Color Contrast Check

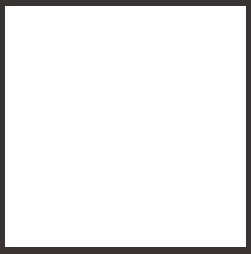
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 22, 2.450, 35.563 Background



This preview shows how black text looks on a background with the CIELCh color 22, 2.450, 35.563.



This preview shows how white text looks on a background with the CIELCh color 22, 2.450, 35.563.

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, 2.450, 35.563

Protanopia
22, 1.145, 55.156

Deuteranopia
22, 3.312, 20.003

Tritanopia
22, 3.870, 336.263

Trichromacy

Original Color
22, 2.450, 35.563

Protanomaly
22, 1.554, 45.013

Deuteranomaly
22, 2.831, 19.896

Tritanomaly
22, 3.110, 354.476

Monochromacy

Original Color
22, 2.450, 35.563

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 0.930, 19.357

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 2.450, 35.563 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(57, 52, 51) looks like.

```
.text, #text, p{
    color:rgb(57, 52, 51)
}
```

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(57, 52, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 52, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 2.450, 35.563 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(57, 52, 51) }
```

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

```
.border{ border-color:rgb(57, 52, 51) }
```

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

Here you see how a box with a 4 pixel rgb(57, 52, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(57, 52, 51); -webkit-box-shadow:4px 4px 4px 4px rgb(57, 52, 51); box-shadow:4px 4px 4px 4px rgb(57, 52, 51) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 2.450, 35.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(57, 52, 51) }
```

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

```
.background{ background-color:rgb(57, 52,
51) }
```

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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