

Converting Colors

CIELCh(42, 22.764, 22.721)

Have a look what the booklet for
CIELCh(42, 22.764, 22.721) contains.

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Color

CIELCh(42, 22.485, 22.637)

Conversions

Conversions Part 1

Format	Color
Hex	885656
RGB	136, 86, 86
RGB Percent	53%, 34%, 34%
CMY	0.4677, 0.6636, 0.6636
CMYK	0.00, 0.37, 0.37, 0.47
HSL	360°, 23%, 43%
HSV	360°, 37%, 53%
XYZ	15.0920, 12.5000, 10.3737
YIQ	100.9500, 29.8000, 10.6000

Conversions

Conversions Part 2

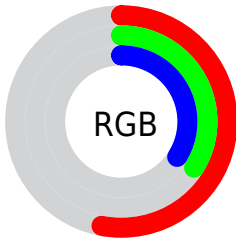
Format	Color
RYB	136, 86, 86
Decimal	8934998
CIELab	42.00, 20.75, 8.65
CIELCh	42, 22.485, 22.637
Yxy	12.5000, 0.3975, 0.3292
Android (android.graphics.Color)	4287125078 (0xFF885656)
YUV	100.9500, -7.3704, 30.7388
Hunter-Lab	35.3553, 14.3239, 7.3523

Details

The CIELCh color **42, 22.485, 22.637** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **53, 17.542, 197.688**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 22.657, 21.741**, and **22, 22.269, 23.066** is the 20% darker color. If you saturate the color by 10%, you get **38, 29.523, 24.204**, and if you desaturate by 10%, it is **46, 15.804, 21.433**.

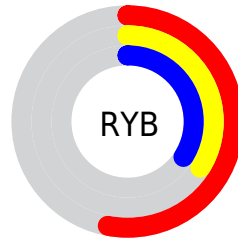
Distribution



Red (53%)

Green (34%)

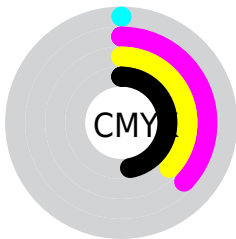
Blue (34%)



Red (53%)

Yellow (34%)

Blue (34%)

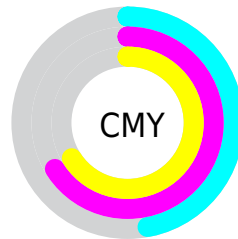


Cyan (0%)

Magenta (37%)

Yellow (37%)

Black (47%)



Cyan (47%)

Magenta (66%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 22.485, 22.637 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 42, 22.485, 22.637 by changing the saturation by 10% instead.

■ 42, 22.485, 22.637

■ 42, 22.485, 22.637

■ 100, 22.485,
22.637

■ 32, 22.485, 22.637

■ 62, 22.485, 22.637

■ 22, 22.485, 22.637

■ 72, 22.485, 22.637

■ 12, 22.485, 22.637

■ 82, 22.485, 22.637

■ 2, 22.485, 22.637

■ 92, 22.485, 22.637

■ 0, 22.485, 22.637

■ 42, 22.485, 22.637

■ 42, 22.485, 22.637

■ 38, 29.523, 24.204

■ 46, 15.804, 21.433

■ 35, 36.803, 26.222

■ 50, 9.545, 20.488

■ 32, 44.138, 28.785

■ 54, 3.723, 19.698

■ 30, 51.275, 31.906

■ 58, 1.675, 199.490

■ 29, 57.823, 35.365

■ 62, 6.681, 198.855

■ 28, 62.889, 38.137

■ 66, 11.329,
198.469

■ 27, 64.363, 38.829

■ 71, 15.661,
198.168

■ 75, 19.712,
197.924

■ 79, 23.517,
197.724

Harmonies

Complementary

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



42, 22.485, 22.637



53, 17.542, 197.688

Rectangle

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



42, 22.485, 22.637



42, 22.485, 72.637



42, 22.485, 202.637



42, 22.485, 252.637

Sweetspot

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



42, 22.483, 22.641



66, 7.557, 20.041



44, 34.902, 325.869



34, 5.140, 20.131



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



42, 22.483, 22.641



51, 34.106, 23.884



48, 18.527, 69.262



27, 3.148, 19.882



27, 63.128, 38.657



0, 1.414, 19.403

Inverse Universe

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



42, 22.483, 22.641



51, 34.106, 23.884



46, 16.580, 259.415



27, 3.148, 19.882



27, 63.128, 38.657



0, 1.414, 19.403

Previews

White Background



This preview shows how the CIELCh color 42, 22.485, 22.637 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 × Fail

Black Background



This preview shows how the CIE LCh color 42, 22.485, 22.637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

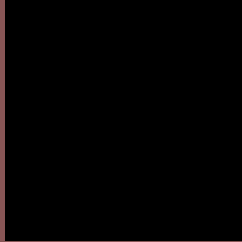
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 22.485, 22.637

Background



This preview shows how black text looks on a background with the CIELCh color 42, 22.485, 22.637.



This preview shows how white text looks on a background with the CIELCh color 42, 22.485, 22.637.

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

42, 22.485, 22.637

Protanopia

42, 3.984, 84.224

Deuteranopia

42, 11.231, 59.840



Tritanopia
42, 22.679, 13.828

Trichromacy



Original Color
42, 22.485, 22.637

Protanomaly
42, 9.552, 35.038

Deuteranomaly
42, 14.654, 37.641

Tritanomaly
42, 22.716, 16.824

Monochromacy



Original Color
42, 22.485, 22.637

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 8.186, 20.453

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 22.485, 22.637 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(136, 86, 86)` looks like.

```
.text, #text, p{  
    color:rgb(136, 86, 86)  
}
```

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(136, 86, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 86, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 22.485, 22.637 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(136, 86, 86) }
```

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

```
.border{ border-color:rgb(136, 86, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 86, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 86, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 86, 86);  
box-shadow:4px 4px 4px 4px rgb(136, 86,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 22.485, 22.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 86, 86) }
```

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

```
.background{ background-color: rgb(136, 86,  
86) }
```

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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