

Converting Colors

CIELCh(42, 23.200, 352.076)

Have a look what the booklet for
CIELCh(42, 23.200, 352.076)
contains.

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Color

CIELCh(42, 23.200, 352.076)

Conversions

Conversions Part 1

Format	Color
Hex	855569
RGB	133, 85, 105
RGB Percent	52%, 33%, 41%
CMY	0.4785, 0.6667, 0.5883
CMYK	0.00, 0.36, 0.21, 0.48
HSL	335°, 22%, 43%
HSV	335°, 36%, 52%
XYZ	15.4673, 12.5000, 14.9585
YIQ	101.6320, 22.1880, 16.3960

Conversions

Conversions Part 2

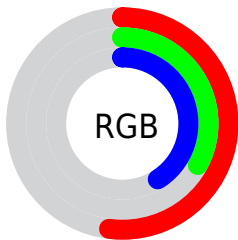
Format	Color
R_{YB}	133, 85, 105
Decimal	8738153
CIE _{Lab}	42.00, 22.98, -3.20
CIE _{LCh}	42, 23.200, 352.076
Yxy	12.5000, 0.3603, 0.2912
Android (android.graphics.Color)	4286928233 (0xFF855569)
YUV	101.6320, 1.6604, 27.5097
Hunter-Lab	35.3553, 16.2184, -0.3363

Details

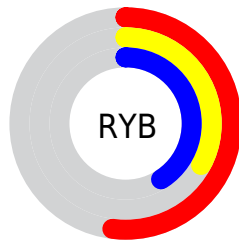
The CIELCh color $42, 23.200, 352.076$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $52, 21.766, 164.938$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 23.348, 351.966$, and $22, 23.468, 351.714$ is the 20% darker color. If you saturate the color by 10%, you get $39, 29.613, 353.486$, and if you desaturate by 10%, it is $46, 16.662, 350.872$.

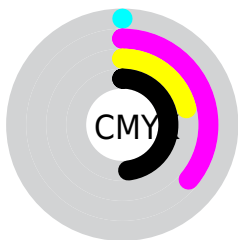
Distribution



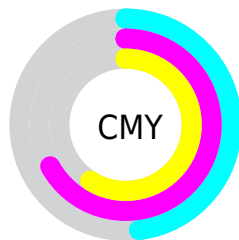
- Red (52%)
- Green (33%)
- Blue (41%)



- Red (52%)
- Yellow (33%)
- Blue (41%)



- Cyan (0%)
- Magenta (36%)
- Yellow (21%)
- Black (48%)





- Cyan (48%)
- Magenta (67%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 23.200, 352.076 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, 23.200, 352.076 by changing the saturation by 10% instead.


 42, 23.200,
352.076


 42, 23.200,
352.076


 100, 23.200,
352.076


 32, 23.200,
352.076

 62, 23.200,
352.076


 22, 23.200,
352.076

 72, 23.200,
352.076

 12, 23.200,
352.076

 82, 23.200,
352.076

 2, 23.200, 352.076

 92, 23.200,
352.076

 0, 23.200, 352.076

 42, 23.200,

 42, 23.200,

352.076

352.076

39, 29.613,
353.486

46, 16.662,
350.872

36, 35.684,
355.168

49, 10.161,
349.813

33, 41.131,
357.224

53, 3.793, 348.835

57, 2.386, 168.226

31, 45.648,
359.787

61, 8.348, 167.378

29, 48.996, 3.012

65, 14.087,
166.678

28, 51.223, 6.974

69, 19.604,
166.043

27, 52.094, 8.536

73, 24.912,
165.460

77, 30.023,

Harmonies

Complementary

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



42, 23.200, 352.076



52, 21.766, 164.938

Rectangle

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



42, 23.200, 352.076



42, 23.200, 42.076



42, 23.200, 172.076



42, 23.200, 222.076

Sweetspot

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



42, 23.198, 352.078



66, 8.571, 349.338



41, 30.982, 313.494



33, 5.743, 349.447



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



42, 23.198, 352.078



51, 34.341, 353.168



42, 20.101, 28.839



26, 3.519, 349.133



27, 51.256, 8.418



0, 0.832, 348.398

Inverse Universe

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



42, 23.198, 352.078



51, 34.341, 353.168



51, 15.623, 206.529



26, 3.519, 349.133



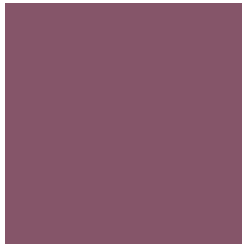
27, 51.256, 8.418



0, 0.832, 348.398

Previews

White Background



This preview shows how the CIELCh color 42, 23.200, 352.076 looks on a white background.

Color Contrast Check

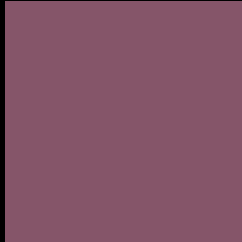
Large Text (above 18pt) WCAG AA ✓ Pass

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, 23.200, 352.076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

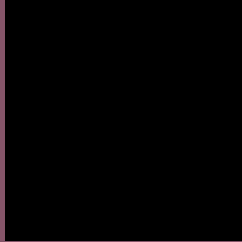
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 23.200, 352.076

Background



This preview shows how black text looks on a background with the CIELCh color 42, 23.200, 352.076.



This preview shows how white text looks on a background with the CIELCh color 42, 23.200, 352.076.

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, 23.200, 352.076

Protanopia

42, 9.078, 286.591

Deuteranopia

42, 6.557, 340.193



Tritanopia
42, 19.994, 10.393

Trichromacy



Original Color
42, 23.200, 352.076

Protanomaly
42, 12.191, 323.583

Deuteranomaly
42, 12.693, 346.556

Tritanomaly
42, 20.893, 2.615

Monochromacy



Original Color
42, 23.200, 352.076

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 8.273, 349.983

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 23.200, 352.076 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(133, 85, 105)` looks like.

```
.text, #text, p{  
    color:rgb(133, 85, 105)  
}
```

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(133, 85, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 85, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 23.200, 352.076 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(133, 85, 105) }
```

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

```
.border{ border-color:rgb(133, 85, 105) }
```

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

Here you see how a box with a 4 pixel rgb(133, 85, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 85, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 85, 105);  
box-shadow:4px 4px 4px 4px rgb(133, 85,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 23.200, 352.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 85, 105) }
```

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

```
.background{ background-color: rgb(133, 85,  
105) }
```

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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