

Converting Colors

CIELCh(42, 7.938, 203.798)

Have a look what the booklet for
CIELCh(42, 7.938, 203.798) contains.

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Color

CIELCh(42, 7.838, 202.946)

Conversions

Conversions Part 1

Format	Color
Hex	536768
RGB	83, 103, 104
RGB Percent	33%, 40%, 41%
CMY	0.6751, 0.5966, 0.5927
CMYK	0.20, 0.01, 0.00, 0.59
HSL	183°, 11%, 37%
HSV	183°, 20%, 41%
XYZ	10.8813, 12.5000, 14.8966
YIQ	97.1340, -12.2410, -3.9290

Conversions

Conversions Part 2

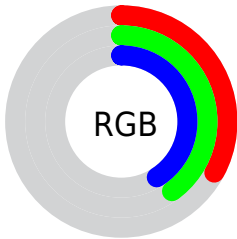
Format	Color
R_{YB}	83, 93, 104
Decimal	5465960
CIE Lab	42.00, -7.22, -3.06
CIE LCh	42, 7.838, 202.946
Yxy	12.5000, 0.2843, 0.3266
Android (android.graphics.Color)	4283656040 (0xFF536768)
YUV	97.1340, 3.3849, -12.3955
Hunter-Lab	35.3553, -6.9352, -0.2325

Details

The CIELCh color **42, 7.838, 202.946** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **38, 8.899, 24.562**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 7.777, 202.909**, and **22, 7.924, 202.906** is the 20% darker color. If you saturate the color by 10%, you get **41, 11.335, 202.686**, and if you desaturate by 10%, it is **43, 4.071, 203.283**.

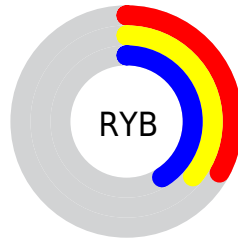
Distribution



Red (33%)

Green (40%)

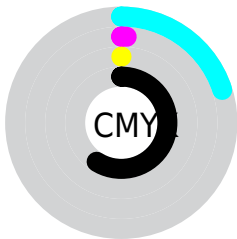
Blue (41%)



Red (33%)

Yellow (36%)

Blue (41%)

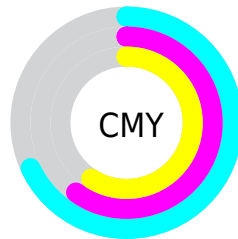


Cyan (20%)

Magenta (1%)

Yellow (0%)

Black (59%)



Cyan (68%)

Magenta (60%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 7.838, 202.946 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, 7.838, 202.946 by changing the saturation by 10% instead.

■ 42, 7.838, 202.946

■ 42, 7.838, 202.946

■ 100, 7.838,
202.946

■ 32, 7.838, 202.946

■ 62, 7.838, 202.946

■ 22, 7.838, 202.946

■ 72, 7.838, 202.946

■ 12, 7.838, 202.946

■ 82, 7.838, 202.946

■ 2, 7.838, 202.946

■ 92, 7.838, 202.946

■ 0, 7.838, 202.946

■ 42, 7.838, 202.946

■ 42, 7.838, 202.946

■ 41, 11.335,
202.686

■ 43, 4.071, 203.283

■ 40, 14.501,

■ 44, 0.088, 207.453

202.517

45, 4.059, 23.866

40, 17.281,
202.442

46, 8.325, 24.338

39, 19.622,
202.474

47, 12.674, 24.804

39, 21.488,
202.625

49, 17.074, 25.278

38, 22.858,
202.908

51, 25.933, 26.243

38, 23.740,
203.335

53, 30.358, 26.727

38, 24.376,
203.811

Harmonies

Complementary

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



42, 7.838, 202.946



38, 8.899, 24.562

Rectangle

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



42, 7.838, 202.946



42, 7.838, 252.946



42, 7.838, 22.946



42, 7.838, 72.946

Sweetspot

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



42, 7.838, 202.939



56, 2.996, 203.476



42, 15.167, 144.129



29, 2.001, 203.452



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



42, 7.838, 202.939



54, 11.391, 202.816



39, 7.757, 261.698



21, 2.211, 203.339



42, 26.147, 203.901



84, 45.192, 204.392

Inverse Universe

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



38, 15.035, 326.793



48, 22.168, 327.031



41, 8.069, 76.521



20, 4.095, 326.181



26, 61.851, 330.132



57, 107.029, 330.253

Previews

White Background



This preview shows how the CIELCh color 42, 7.838, 202.946 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, 7.838, 202.946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

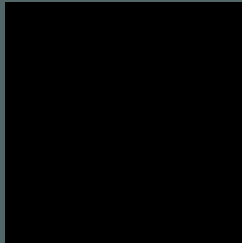
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 7.838, 202.946

Background



This preview shows how black text looks on a background with the CIELCh color 42, 7.838, 202.946.



This preview shows how white text looks on a background with the CIELCh color 42, 7.838, 202.946.

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

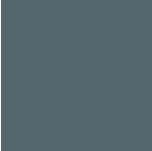
42, 7.838, 202.946

Protanopia

42, 2.007, 314.731

Deuteranopia

42, 6.852, 327.758



Tritanopia
42, 8.286, 234.612

Trichromacy



Original Color

42, 7.838, 202.946

Protanomaly

42, 2.698, 225.908

Deuteranomaly

42, 4.238, 290.815

Tritanomaly

42, 7.737, 226.779

Monochromacy



Original Color

42, 7.838, 202.946

Achromatopsia

41, 0.006, 296.813

Achromatomaly

41, 2.861, 199.158

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 7.838, 202.946 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(83, 103, 104)` looks like.

```
.text, #text, p{  
    color:rgb(83, 103, 104)  
}
```

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(83, 103, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 103, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 7.838, 202.946 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(83, 103, 104) }
```

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

```
.border{ border-color:rgb(83, 103, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 103, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 103, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 103, 104);  
box-shadow:4px 4px 4px 4px rgb(83, 103,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 7.838, 202.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 103, 104) }
```

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

```
.background{ background-color: rgb(83, 103,  
104) }
```

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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