

Converting Colors

CIELCh(42, 22.129, 151.578)

Have a look what the booklet for
CIELCh(42, 22.129, 151.578)
contains.

CIELCh(42, 21.925, 151.490)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 21.925, 151.490)

Conversions

Conversions Part 1

Format	Color
Hex	466B51
RGB	70, 107, 81
RGB Percent	27%, 42%, 32%
CMY	0.7242, 0.5790, 0.6811
CMYK	0.34, 0.00, 0.24, 0.58
HSL	138°, 21%, 35%
HSV	138°, 34%, 42%
XYZ	9.3403, 12.5000, 9.7689
YIQ	92.9730, -13.7060, -15.9300

Conversions

Conversions Part 2

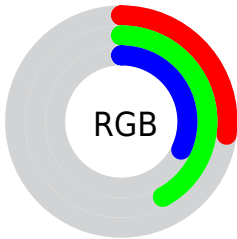
Format	Color
RYB	70, 99, 107
Decimal	4614993
CIELab	42.00, -19.27, 10.47
CIELCh	42, 21.925, 151.490
Yxy	12.5000, 0.2955, 0.3955
Android (android.graphics.Color)	4282805073 (0xFF466B51)
YUV	92.9730, -5.9027, -20.1473
Hunter-Lab	35.3553, -14.7150, 8.3665

Details

The CIELCh color **42, 21.925, 151.490** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 22.164, 336.531**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 22.244, 150.780**, and **22, 21.950, 151.616** is the 20% darker color. If you saturate the color by 10%, you get **41, 28.084, 150.450**, and if you desaturate by 10%, it is **43, 15.607, 152.401**.

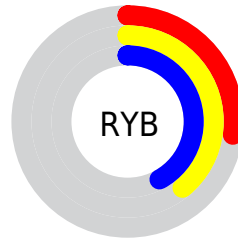
Distribution



Red (27%)

Green (42%)

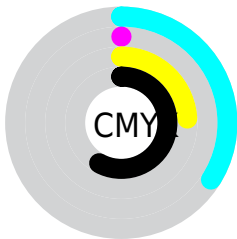
Blue (32%)



Red (27%)

Yellow (39%)

Blue (42%)

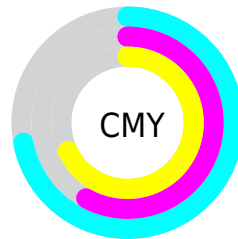


Cyan (34%)

Magenta (0%)

Yellow (24%)

Black (58%)



Cyan (72%)


Magenta (58%)

Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 21.925, 151.490 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, 21.925, 151.490 by changing the saturation by 10% instead.

 42, 21.925,
151.490


 42, 21.925,
151.490


 100, 21.925,
151.490


 32, 21.925,
151.490

 62, 21.925,
151.490


 22, 21.925,
151.490

 72, 21.925,
151.490

 12, 21.925,
151.490

 82, 21.925,
151.490

 2, 21.925, 151.490

 92, 21.925,
151.490

 0, 21.925, 151.490

 42, 21.925,

 42, 21.925,

151.490

151.490

■ 41, 28.084,
150.450

■ 43, 15.607,
152.401

■ 41, 33.977,
149.263

■ 44, 9.218, 153.206

■ 40, 39.495,
147.915

■ 45, 2.836, 153.957

■ 46, 3.478, 334.438

■ 40, 44.531,
146.402

■ 47, 9.681, 335.027

■ 39, 48.997,
144.734

■ 49, 15.741,
335.527

■ 39, 52.857,
142.981

■ 50, 21.638,
335.974

■ 39, 54.839,
142.136

■ 51, 27.361,
336.377

■ 53, 32.904,
336.744

Harmonies

Complementary

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



42, 21.925, 151.490



35, 22.164, 336.531

Rectangle

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



42, 21.925, 151.490



42, 21.925, 201.490



42, 21.925, 331.490



42, 21.925, 21.490

Sweetspot

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



42, 21.926, 151.490



57, 7.913, 153.520



44, 22.294, 119.237



29, 5.444, 153.442



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 21.926, 151.490



54, 32.305, 150.705



42, 15.132, 178.890



22, 3.561, 153.617



43, 58.701, 141.918



85, 103.907, 140.690

Inverse Universe

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



35, 22.164, 336.531



43, 32.657, 337.134



34, 17.221, 5.718



21, 3.578, 334.704



25, 52.501, 343.827



54, 89.368, 345.054

Previews

White Background



This preview shows how the CIELCh color 42, 21.925, 151.490 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 CIELCh color 42, 21.925, 151.490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

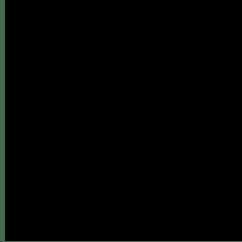
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 21.925, 151.490

Background



This preview shows how black text looks on a background with the CIELCh color 42, 21.925, 151.490.



This preview shows how white text looks on a background with the CIELCh color 42, 21.925, 151.490.

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, 21.925, 151.490

Protanopia

42, 13.473, 96.582

Deuteranopia

42, 10.847, 57.577



Tritanopia
42, 10.899, 228.566

Trichromacy



Original Color
42, 21.925, 151.490

Protanomaly
42, 14.472, 125.741

Deuteranomaly
41, 9.635, 111.328

Tritanomaly
42, 11.931, 186.231

Monochromacy



Original Color
42, 21.925, 151.490

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 7.768, 153.732

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 21.925, 151.490 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(70, 107, 81)` looks like.

```
.text, #text, p{  
    color:rgb(70, 107, 81)  
}
```

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(70, 107, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 107, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 21.925, 151.490 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(70, 107, 81) }
```

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

```
.border{ border-color:rgb(70, 107, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 107, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 107, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 107, 81);  
box-shadow:4px 4px 4px 4px rgb(70, 107,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 21.925, 151.490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 107, 81) }
```

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

```
.background{ background-color: rgb(70, 107,  
81) }
```

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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