

Converting Colors

CIELCh(42, 19.555, 114.498)

Have a look what the booklet for
CIELCh(42, 19.555, 114.498)
contains.

CIELCh(42, 19.161, 114.128)	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, 19.161, 114.128)

Conversions

Conversions Part 1

Format	Color
Hex	616646
RGB	97, 102, 70
RGB Percent	38%, 40%, 27%
CMY	0.6194, 0.5998, 0.7253
CMYK	0.05, 0.00, 0.31, 0.60
HSL	69°, 19%, 34%
HSV	69°, 31%, 40%
XYZ	10.7988, 12.5000, 7.6461
YIQ	96.8570, 7.2920, -11.0120

Conversions

Conversions Part 2

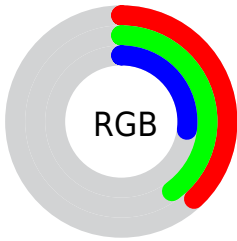
Format	Color
R_{YB}	70, 102, 75
Decimal	6383174
CIE _{Lab}	42.00, -7.83, 17.49
CIE _{LCh}	42, 19.161, 114.128
Yxy	12.5000, 0.3490, 0.4039
Android (android.graphics.Color)	4284573254 (0xFF616646)
YUV	96.8570, -13.2405, 0.1254
Hunter-Lab	35.3553, -7.3515, 11.9265

Details

The CIELCh color $42, 19.161, 114.128$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $31, 20.506, 298.957$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 18.993, 114.316$, and $22, 19.007, 113.758$ is the 20% darker color. If you saturate the color by 10%, you get $42, 25.070, 113.454$, and if you desaturate by 10%, it is $42, 13.116, 114.828$.

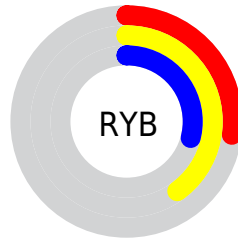
Distribution



Red (38%)

Green (40%)

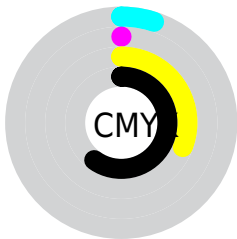
Blue (27%)



Red (27%)

Yellow (40%)

Blue (29%)

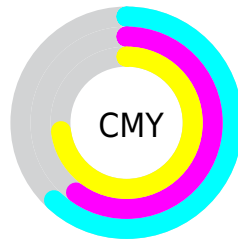


Cyan (5%)

Magenta (0%)

Yellow (31%)

Black (60%)



Cyan (62%)


Magenta (60%)

Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 19.161, 114.128 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, 19.161, 114.128 by changing the saturation by 10% instead.


 42, 19.161,
114.128


 42, 19.161,
114.128


 100, 19.161,
114.128


 32, 19.161,
114.128

 62, 19.161,
114.128


 22, 19.161,
114.128

 72, 19.161,
114.128

 12, 19.161,
114.128


 82, 19.161,
114.128

 2, 19.161, 114.128

 92, 19.161,
114.128

 0, 19.161, 114.128

 42, 19.161,

 42, 19.161,

114.128

■ 42, 25.070,
113.454

■ 41, 30.754,
112.824

■ 41, 36.081,
112.277

■ 41, 40.871,
111.863

■ 41, 44.885,
111.645

■ 41, 47.883,
111.690

■ 40, 50.208,
111.770

114.128

■ 42, 13.116,
114.828

■ 43, 6.993, 115.525

■ 43, 0.833, 116.208

■ 44, 5.336, 296.877

■ 44, 11.494,
297.516

■ 45, 17.625,
298.124

■ 45, 23.719,
298.700

■ 46, 29.767,
299.243

■ 46, 35.763,

299.752

Harmonies

Complementary

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



42, 19.161, 114.128



31, 20.506, 298.957

Rectangle

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



42, 19.161, 114.128



42, 19.161, 164.128



42, 19.161, 294.128



42, 19.161, 344.128

Sweetspot

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



42, 19.162, 114.131



55, 6.871, 115.671



35, 13.049, 34.336



28, 4.736, 115.597



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



42, 19.162, 114.131



54, 28.623, 113.605



41, 21.264, 132.772



21, 3.455, 115.694



45, 54.576, 111.885



90, 94.812, 112.407

Inverse Universe

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



31, 20.506, 298.957



38, 31.251, 299.797



33, 21.837, 315.395



19, 3.522, 296.945



12, 73.186, 307.185



31, 127.589, 306.838

Previews

White Background



This preview shows how the CIELCh color 42, 19.161, 114.128 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, 19.161, 114.128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

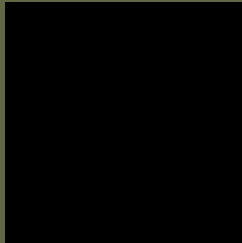
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

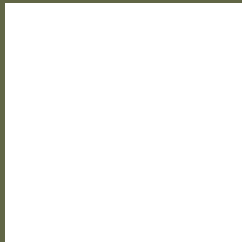
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 19.161, 114.128

Background



This preview shows how black text looks on a background with the CIELCh color 42, 19.161, 114.128.



This preview shows how white text looks on a background with the CIELCh color 42, 19.161, 114.128.

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, 19.161, 114.128

Protanopia

42, 18.319, 95.799

Deuteranopia

42, 17.375, 71.992



Tritanopia
42, 4.558, 311.767

Trichromacy



Original Color
42, 19.161, 114.128

Protanomaly
42, 18.534, 103.113

Deuteranomaly
42, 17.147, 88.841

Tritanomaly
42, 4.232, 103.752

Monochromacy



Original Color
42, 19.161, 114.128

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 7.283, 115.893

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 19.161, 114.128 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(97, 102, 70)` looks like.

```
.text, #text, p{  
    color:rgb(97, 102, 70)  
}
```

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(97, 102, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 102, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 19.161, 114.128 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(97, 102, 70) }
```

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

```
.border{ border-color:rgb(97, 102, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 102, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 102, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 102, 70);  
box-shadow:4px 4px 4px 4px rgb(97, 102,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 19.161, 114.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 102, 70) }
```

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

```
.background{ background-color: rgb(97, 102,  
70) }
```

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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