

Converting Colors

CIELCh(42, 13.475, 112.602)

Have a look what the booklet for
CIELCh(42, 13.475, 112.602)
contains.

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Color

CIELCh(42, 13.194, 112.064)

Conversions

Conversions Part 1

Format	Color
Hex	63654F
RGB	99, 101, 79
RGB Percent	39%, 40%, 31%
CMY	0.6121, 0.6043, 0.6905
CMYK	0.02, 0.00, 0.22, 0.60
HSL	65°, 12%, 35%
HSV	65°, 22%, 40%
XYZ	11.1882, 12.5000, 9.2033
YIQ	97.8940, 5.8700, -7.2660

Conversions

Conversions Part 2

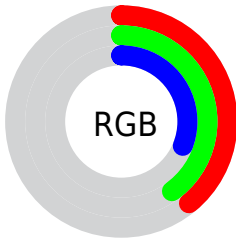
Format	Color
R_{YB}	79, 101, 81
Decimal	6513999
CIE _{Lab}	42.00, -4.96, 12.23
CIE _{LCh}	42, 13.194, 112.064
Yxy	12.5000, 0.3402, 0.3800
Android (android.graphics.Color)	4284704079 (0xFF63654F)
YUV	97.8940, -9.3147, 0.9700
Hunter-Lab	35.3553, -5.3856, 9.3151

Details

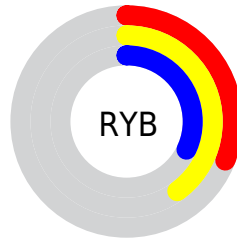
The CIELCh color **42, 13.194, 112.064** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **35, 13.825, 295.706**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 13.394, 112.165**, and **22, 13.245, 111.552** is the 20% darker color. If you saturate the color by 10%, you get **42, 19.147, 111.291**, and if you desaturate by 10%, it is **42, 7.162, 112.847**.

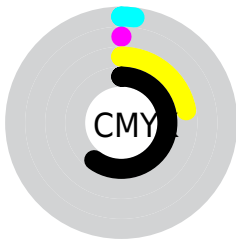
Distribution



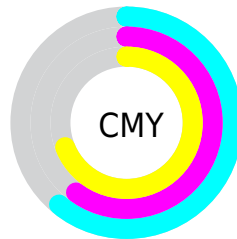
- Red (39%)
- Green (40%)
- Blue (31%)



- Red (31%)
- Yellow (40%)
- Blue (32%)



- Cyan (2%)
- Magenta (0%)
- Yellow (22%)
- Black (60%)





- Cyan (61%)
- Magenta (60%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 13.194, 112.064 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, 13.194, 112.064 by changing the saturation by 10% instead.


 42, 13.194,
112.064


 42, 13.194,
112.064


 100, 13.194,
112.064


 32, 13.194,
112.064

 62, 13.194,
112.064


 22, 13.194,
112.064

 72, 13.194,
112.064

 12, 13.194,
112.064


 82, 13.194,
112.064

 2, 13.194, 112.064

 92, 13.194,
112.064

 0, 13.194, 112.064

 42, 13.194,

 42, 13.194,

112.064

112.064

■ 42, 19.147,
111.291

■ 42, 7.162, 112.847

■ 41, 24.958,
110.534

■ 43, 1.089, 113.603

■ 43, 4.997, 294.374

■ 41, 30.539,
109.821

■ 43, 11.078,
295.097

■ 41, 35.758,
109.185

■ 44, 17.137,
295.790

■ 41, 40.429,
108.669

■ 44, 23.166,
296.451

■ 41, 44.315,
108.323

■ 45, 29.155,
297.077

■ 41, 47.189,
108.196

■ 45, 35.098,
297.668

■ 40, 49.343,
108.122

■ 46, 40.989,

Harmonies

Complementary

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



42, 13.194, 112.064



35, 13.825, 295.706

Rectangle

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



42, 13.194, 112.064



42, 13.194, 162.064



42, 13.194, 292.064



42, 13.194, 342.064

Sweetspot

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



42, 13.195, 112.068



54, 5.236, 113.202



36, 9.128, 27.755



28, 3.429, 113.177



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, 13.195, 112.068



53, 19.342, 111.684



41, 14.385, 131.028



21, 3.439, 113.069



46, 54.050, 108.199



91, 93.794, 108.518

Inverse Universe

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



35, 13.825, 295.706



42, 20.505, 296.239



36, 14.714, 312.812



19, 3.508, 294.483



11, 73.661, 306.760



31, 128.236, 306.517

Previews

White Background



This preview shows how the CIE LCh color 42, 13.194, 112.064 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, 13.194, 112.064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

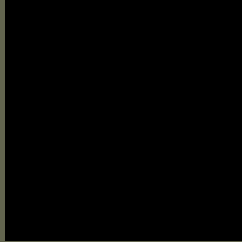
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

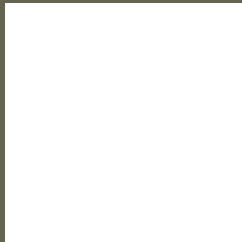
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 13.194, 112.064

Background



This preview shows how black text looks on a background with the CIELCh color 42, 13.194, 112.064.



This preview shows how white text looks on a background with the CIELCh color 42, 13.194, 112.064.

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, 13.194, 112.064

Protanopia

42, 12.888, 96.176

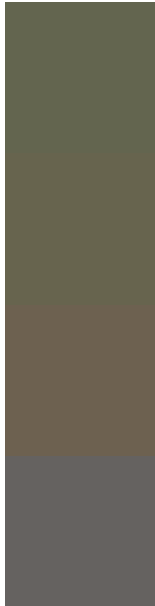
Deuteranopia

42, 12.906, 64.147



Tritanopia
42, 5.281, 313.589

Trichromacy



Original Color

42, 13.194, 112.064

Protanomaly

42, 13.242, 102.362

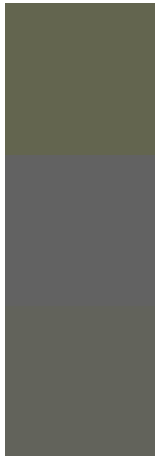
Deuteranomaly

42, 11.605, 80.872

Tritanomaly

42, 1.736, 63.271

Monochromacy



Original Color

42, 13.194, 112.064

Achromatopsia

42, 0.006, 296.813

Achromatomaly

42, 4.841, 114.502

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 13.194, 112.064 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(99, 101, 79)` looks like.

```
.text, #text, p{  
    color:rgb(99, 101, 79)  
}
```

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(99, 101, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 101, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 13.194, 112.064 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(99, 101, 79) }
```

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

```
.border{ border-color:rgb(99, 101, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 101, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 101, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 101, 79);  
box-shadow:4px 4px 4px 4px rgb(99, 101,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 13.194, 112.064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 101, 79) }
```

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

```
.background{ background-color: rgb(99, 101,  
79) }
```

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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