

Converting Colors

CIELCh(37, 12.607, 128.422)

Have a look what the booklet for
CIELCh(37, 12.607, 128.422)
contains.

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Color

CIELCh(37, 12.489, 129.114)

Conversions

Conversions Part 1

Format	Color
Hex	505A47
RGB	80, 90, 71
RGB Percent	31%, 35%, 28%
CMY	0.6852, 0.6459, 0.7205
CMYK	0.11, 0.00, 0.21, 0.65
HSL	92°, 12%, 32%
HSV	92°, 21%, 35%
XYZ	8.1595, 9.5379, 7.4193
YIQ	84.8440, 0.1390, -8.0290

Conversions

Conversions Part 2

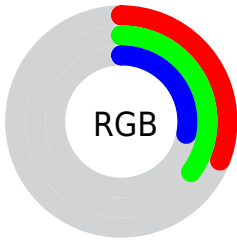
Format	Color
R_{YB}	71, 90, 81
Decimal	5265991
CIE Lab	37.00, -7.88, 9.69
CIE LCh	37, 12.489, 129.114
Yxy	9.5379, 0.3249, 0.3797
Android (android.graphics.Color)	4283456071 (0xFF505A47)
YUV	84.8440, -6.8251, -4.2482
Hunter-Lab	30.8835, -6.8860, 7.3749

Details

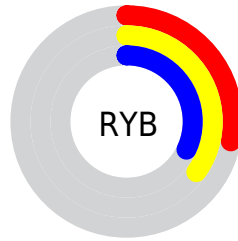
The CIELCh color $[37, 12.489, 129.114]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[32, 12.805, 310.862]$, and the grayscale version is $[36, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 12.750, 129.261]$, and $[17, 11.914, 129.884]$ is the 20% darker color. If you saturate the color by 10%, you get $[36, 18.396, 128.669]$, and if you desaturate by 10%, it is $[38, 6.551, 129.550]$.

Distribution



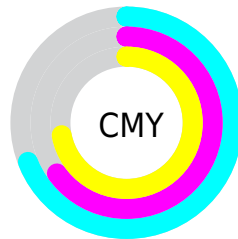
- Red (31%)
- Green (35%)
- Blue (28%)



- Red (28%)
- Yellow (35%)
- Blue (32%)



- Cyan (11%)
- Magenta (0%)
- Yellow (21%)
- Black (65%)





- Cyan (69%)
- Magenta (65%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 12.489, 129.114 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 37, 12.489, 129.114 by changing the saturation by 10% instead.


 37, 12.489,
129.114


 37, 12.489,
129.114

 100, 12.489,
129.114


 27, 12.489,
129.114

 57, 12.489,
129.114


 17, 12.489,
129.114


 67, 12.489,
129.114

 7, 12.489, 129.114

 77, 12.489,
129.114

 0, 12.489, 129.114

 87, 12.489,
129.114

 97, 12.489,
129.114

■ 37, 12.489,
129.114

■ 37, 12.489,
129.114

■ 36, 18.396,
128.669

■ 38, 6.551, 129.550

■ 38, 0.620, 130.056

■ 36, 24.212,
128.223

■ 39, 5.275, 310.300

■ 35, 29.859,
127.804

■ 40, 11.111,
310.647

■ 35, 35.227,
127.454

■ 41, 16.873,
310.957

■ 35, 40.164,
127.239

■ 41, 22.551,
311.236

■ 34, 44.471,
127.245

■ 42, 28.136,
311.486

■ 34, 47.958,
127.557

■ 43, 33.623,
311.709

■ 34, 50.962,

127.713

■ 44, 39.011,
311.907

Harmonies

Complementary

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



37, 12.489, 129.114



32, 12.805, 310.862

Rectangle

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



37, 12.489, 129.114



37, 12.489, 179.114



37, 12.489, 309.114



37, 12.489, 359.114

Sweetspot

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



37, 12.490, 129.116



49, 4.403, 129.758



35, 7.414, 74.754



24, 2.892, 129.743



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



37, 12.490, 129.116



47, 18.392, 128.905



36, 14.236, 143.646



19, 3.363, 129.644



41, 58.622, 128.111



84, 104.402, 129.143

Inverse Universe

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



32, 12.805, 310.862



40, 18.966, 311.080



33, 14.248, 325.948



17, 3.402, 310.323



16, 66.321, 313.048



39, 117.638, 312.334

Previews

White Background



This preview shows how the CIELCh color 37, 12.489, 129.114 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 37, 12.489, 129.114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

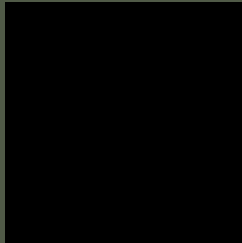
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

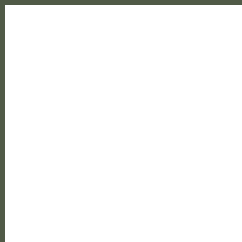
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 12.489, 129.114

Background



This preview shows how black text looks on a background with the CIELCh color 37, 12.489, 129.114.

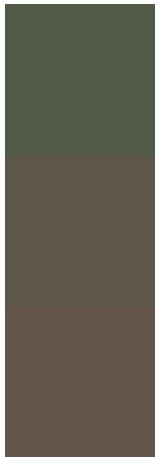


This preview shows how white text looks on a background with the CIELCh color 37, 12.489, 129.114.

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

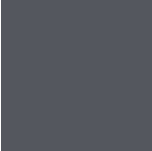
37, 12.489, 129.114

Protanopia

37, 10.685, 96.095

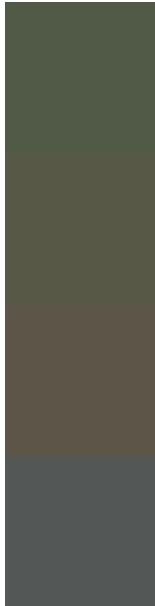
Deuteranopia

37, 10.044, 62.169



Tritanopia
37, 4.475, 274.995

Trichromacy



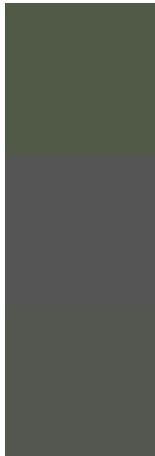
Original Color
37, 12.489, 129.114

Protanomaly
37, 11.033, 108.361

Deuteranomaly
37, 9.191, 88.465

Tritanomaly
37, 2.460, 169.054

Monochromacy



Original Color
37, 12.489, 129.114

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 4.670, 131.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 12.489, 129.114 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(80, 90, 71)` looks like.

```
.text, #text, p{  
    color:rgb(80, 90, 71)  
}
```

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(80, 90, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 90, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 12.489, 129.114 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(80, 90, 71) }
```

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

```
.border{ border-color:rgb(80, 90, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 90, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 90, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 90, 71);  
box-shadow:4px 4px 4px 4px rgb(80, 90, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 12.489, 129.114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 90, 71) }
```

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

```
.background{ background-color: rgb(80, 90,  
71) }
```

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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