

Converting Colors

CIELCh(42, 12.190, 288.325)

Have a look what the booklet for
CIELCh(42, 12.190, 288.325)
contains.

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Color

CIELCh(42, 12.102, 288.337)

Conversions

Conversions Part 1

Format	Color
Hex	606276
RGB	96, 98, 118
RGB Percent	38%, 38%, 46%
CMY	0.6240, 0.6161, 0.5377
CMYK	0.19, 0.17, 0.00, 0.54
HSL	235°, 10%, 42%
HSV	235°, 19%, 46%
XYZ	12.4320, 12.5000, 18.8603
YIQ	99.6820, -7.6120, 5.7960

Conversions

Conversions Part 2

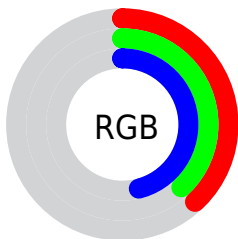
Format	Color
R_{YB}	96, 98, 118
Decimal	6316662
CIE _{Lab}	42.00, 3.81, -11.49
CIE _{LCh}	42, 12.102, 288.337
Yxy	12.5000, 0.2839, 0.2854
Android (android.graphics.Color)	4284506742 (0xFF606276)
YUV	99.6820, 9.0308, -3.2291
Hunter-Lab	35.3553, 0.8941, -6.8795

Details

The CIELCh color $42, 12.102, 288.337$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 11.713, 104.379$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 11.796, 287.942$, and $22, 12.114, 287.145$ is the 20% darker color. If you saturate the color by 10%, you get $38, 18.921, 289.725$, and if you desaturate by 10%, it is $46, 5.522, 287.147$.

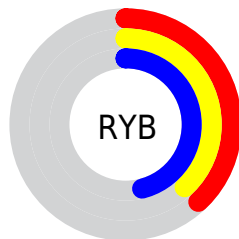
Distribution



Red (38%)

Green (38%)

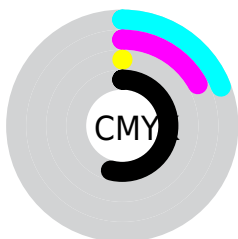
Blue (46%)



Red (38%)

Yellow (38%)

Blue (46%)

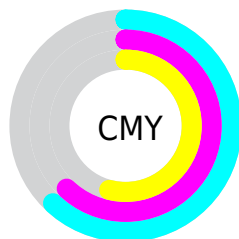


Cyan (19%)

Magenta (17%)

Yellow (0%)

Black (54%)



Cyan (62%)


Magenta (62%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 12.102, 288.337 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, 12.102, 288.337 by changing the saturation by 10% instead.


 42, 12.102,
288.337


 42, 12.102,
288.337


 100, 12.102,
288.337


 32, 12.102,
288.337

 62, 12.102,
288.337


 22, 12.102,
288.337

 72, 12.102,
288.337

 12, 12.102,
288.337

 82, 12.102,
288.337

 2, 12.102, 288.337

 92, 12.102,
288.337

 0, 12.102, 288.337

 42, 12.102,

 42, 12.102,

288.337

■ 38, 18.921,
289.725

■ 34, 26.001,
291.343

■ 30, 33.356,
293.210

■ 26, 40.979,
295.327

■ 22, 48.803,
297.655

■ 19, 56.621,
300.082

■ 15, 63.968,
302.409

■ 13, 70.133,
304.261

288.337

■ 46, 5.522, 287.147

■ 50, 0.834, 106.025

■ 54, 6.983, 105.214

■ 58, 12.938,
104.453

■ 62, 18.712,
103.790

■ 66, 24.314,
103.210

■ 70, 29.755,
102.700

■ 74, 35.044,
102.251

■ 78, 40.187,

■ 13, 70.838,
304.442

101.852

Harmonies

Complementary

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



42, 12.102, 288.337



48, 11.713, 104.379

Rectangle

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



42, 12.102, 288.337



42, 12.102, 338.337



42, 12.102, 108.337



42, 12.102, 158.337

Sweetspot

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



42, 12.101, 288.335



60, 4.720, 286.880



48, 8.655, 189.817



31, 3.114, 286.929



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



42, 12.101, 288.335



52, 17.786, 288.850



42, 13.796, 306.440



22, 3.577, 287.187



14, 72.959, 304.516



33, 127.517, 305.377

Inverse Universe

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



43, 9.495, 13.433



53, 14.028, 13.849



48, 13.396, 124.618



23, 2.767, 12.504



24, 56.576, 34.280



52, 99.116, 37.076

Previews

White Background



This preview shows how the CIELCh color 42, 12.102, 288.337 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, 12.102, 288.337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

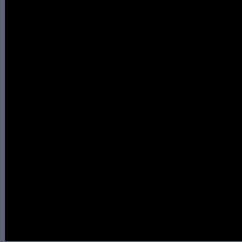
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

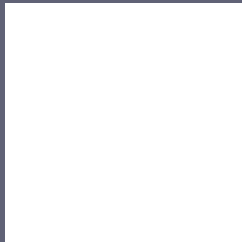
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 12.102, 288.337

Background



This preview shows how black text looks on a background with the CIELCh color 42, 12.102, 288.337.



This preview shows how white text looks on a background with the CIELCh color 42, 12.102, 288.337.

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, 12.102, 288.337

Protanopia

42, 12.124, 286.553

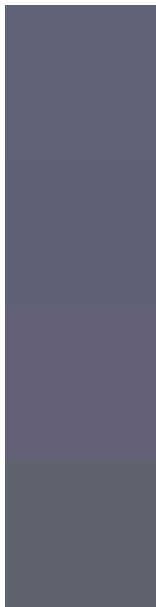
Deuteranopia

42, 12.751, 295.484



Tritanopia
42, 5.336, 264.446

Trichromacy



Original Color
42, 12.102, 288.337

Protanomaly
42, 12.124, 286.553

Deuteranomaly
42, 12.729, 293.762

Tritanomaly
42, 7.976, 280.048

Monochromacy



Original Color
42, 12.102, 288.337

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 4.835, 290.897

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 12.102, 288.337 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(96, 98, 118)` looks like.

```
.text, #text, p{  
    color:rgb(96, 98, 118)  
}
```

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(96, 98, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 98, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 12.102, 288.337 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(96, 98, 118) }
```

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

```
.border{ border-color:rgb(96, 98, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 98, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 98, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 98, 118);  
box-shadow:4px 4px 4px 4px rgb(96, 98,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 12.102, 288.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 98, 118) }
```

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

```
.background{ background-color: rgb(96, 98,  
118) }
```

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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