

Converting Colors

CIELCh(42, 5.997, 112.699)

Have a look what the booklet for
CIELCh(42, 5.997, 112.699) contains.

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Color

CIELCh(42, 6.030, 113.351)

Conversions

Conversions Part 1

Format	Color
Hex	63645A
RGB	99, 100, 90
RGB Percent	39%, 39%, 35%
CMY	0.6118, 0.6079, 0.6471
CMYK	0.01, 0.00, 0.10, 0.61
HSL	66°, 5%, 37%
HSV	66°, 10%, 39%
XYZ	11.5434, 12.5000, 11.4728
YIQ	98.5610, 2.6140, -3.3220

Conversions

Conversions Part 2

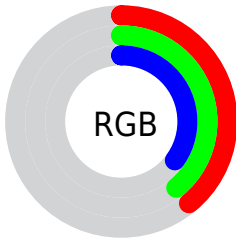
Format	Color
RYB	90, 100, 91
Decimal	6513754
CIELab	42.00, -2.39, 5.54
CIElCh	42, 6.030, 113.351
Yxy	12.5000, 0.3250, 0.3520
Android (android.graphics.Color)	4284703834 (0xFF63645A)
YUV	98.5610, -4.2206, 0.3850
Hunter-Lab	35.3553, -3.5923, 5.5092

Details

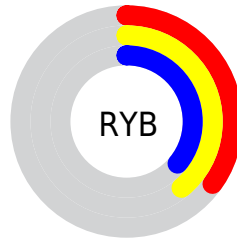
The CIELCh color **42, 6.030, 113.351** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **39, 6.163, 294.920**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 6.157, 113.167**, and **22, 6.034, 113.403** is the 20% darker color. If you saturate the color by 10%, you get **42, 12.031, 112.594**, and if you desaturate by 10%, it is **42, 0.003, 298.660**.

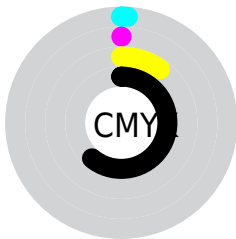
Distribution



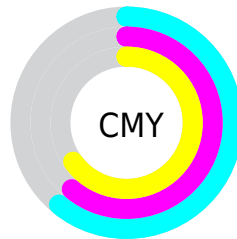
- Red (39%)
- Green (39%)
- Blue (35%)



- Red (35%)
- Yellow (39%)
- Blue (36%)



- Cyan (1%)
- Magenta (0%)
- Yellow (10%)
- Black (61%)



- Cyan (61%)
- Magenta (61%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 6.030, 113.351 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, 6.030, 113.351 by changing the saturation by 10% instead.

■ 42, 6.030, 113.351 ■ 42, 6.030, 113.351

■ 100, 6.030,
113.351 ■ 32, 6.030, 113.351

■ 62, 6.030, 113.351 ■ 22, 6.030, 113.351

■ 72, 6.030, 113.351 ■ 12, 6.030, 113.351

■ 82, 6.030, 113.351 ■ 2, 6.030, 113.351

■ 92, 6.030, 113.351 ■ 0, 6.030, 113.351

■ 42, 6.030, 113.351 ■ 42, 6.030, 113.351

■ 42, 12.031,
112.594 ■ 42, 0.003, 298.660

■ 41, 17.960, ■ 43, 6.047, 294.851

111.828

■ 43, 12.080,
295.556

■ 41, 23.762,
111.079

■ 44, 18.091,
296.231

■ 41, 29.355,
110.369

■ 44, 24.069,
296.872

■ 41, 34.618,
109.730

■ 45, 30.005,
297.479

■ 40, 39.378,
109.203

■ 45, 35.894,
298.052

■ 40, 43.407,
108.841

■ 46, 41.731,
298.590

■ 40, 46.456,
108.698

■ 46, 47.511,
299.094

■ 40, 49.076,
108.635

Harmonies

Complementary

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



42, 6.030, 113.351



39, 6.163, 294.920

Rectangle

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



42, 6.030, 113.351



42, 6.030, 163.351



42, 6.030, 293.351



42, 6.030, 343.351

Sweetspot

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



42, 6.031, 113.359



54, 2.242, 113.876



39, 3.915, 28.767



28, 1.714, 113.827



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, 6.031, 113.359



54, 8.977, 113.180



42, 6.566, 132.103



21, 3.441, 113.439



46, 54.109, 108.726



91, 93.908, 109.075

Inverse Universe

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



39, 6.163, 294.920



49, 9.215, 295.126



39, 6.638, 312.861



19, 3.509, 294.830



11, 73.604, 306.810



31, 128.163, 306.553

Previews

White Background



This preview shows how the CIELCh color 42, 6.030, 113.351 looks on a white background.

Color Contrast Check

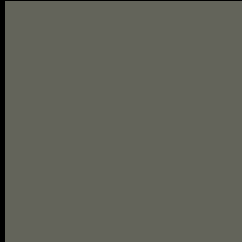
Large Text (above 18pt) WCAG AA ✓ Pass

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, 6.030, 113.351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

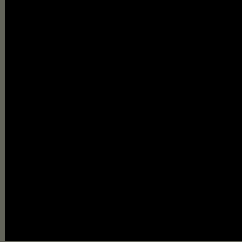
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

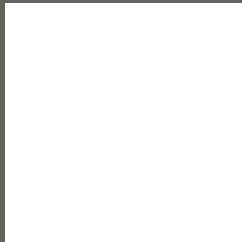
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 6.030, 113.351

Background



This preview shows how black text looks on a background with the CIELCh color 42, 6.030, 113.351.



This preview shows how white text looks on a background with the CIELCh color 42, 6.030, 113.351.

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, 6.030, 113.351

Protanopia

42, 6.253, 93.179

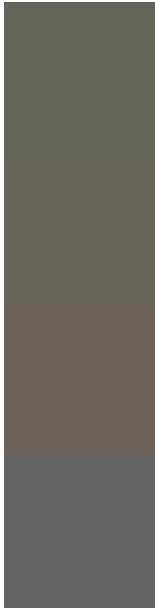
Deuteranopia

42, 7.613, 43.339



Tritanopia
42, 4.425, 306.821

Trichromacy



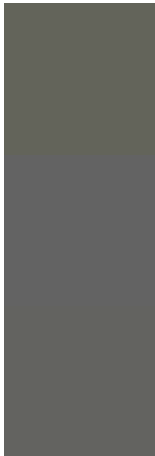
Original Color
42, 6.030, 113.351

Protanomaly
42, 6.148, 97.085

Deuteranomaly
42, 5.641, 59.482

Tritanomaly
42, 0.741, 324.283

Monochromacy



Original Color
42, 6.030, 113.351

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 1.804, 109.887

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 6.030, 113.351 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, 100, 90)` looks like.

```
.text, #text, p{  
    color:rgb(99, 100, 90)  
}
```

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, 100, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 100, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 6.030, 113.351 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, 100, 90) }
```

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

```
.border{ border-color:rgb(99, 100, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 100, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 100, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 100, 90);  
box-shadow:4px 4px 4px 4px rgb(99, 100,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 6.030, 113.351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 100, 90) }
```

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

```
.background{ background-color: rgb(99, 100,  
90) }
```

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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