

Converting Colors

CIELCh(42, 18.259, 107.444)

Have a look what the booklet for
CIELCh(42, 18.259, 107.444)
contains.

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Color

CIELCh(42, 18.455, 107.402)

Conversions

Conversions Part 1

Format	Color
Hex	656546
RGB	101, 101, 70
RGB Percent	40%, 40%, 27%
CMY	0.6042, 0.6042, 0.7257
CMYK	0.00, 0.00, 0.31, 0.60
HSL	60°, 18%, 34%
HSV	60°, 31%, 40%
XYZ	11.1112, 12.5000, 7.6118
YIQ	97.4660, 9.9510, -9.6410

Conversions

Conversions Part 2

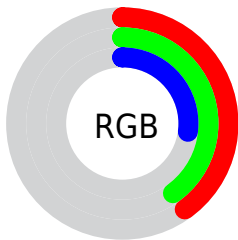
Format	Color
R_{YB}	70, 101, 70
Decimal	6645062
CIE _{Lab}	42.00, -5.52, 17.61
CIE _{LCh}	42, 18.455, 107.402
Yxy	12.5000, 0.3559, 0.4003
Android (android.graphics.Color)	4284835142 (0xFF656546)
YUV	97.4660, -13.5407, 3.0993
Hunter-Lab	35.3553, -5.7742, 11.9839

Details

The CIELCh color $42, 18.455, 107.402$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $31, 19.781, 293.682$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 18.332, 108.130$, and $22, 18.242, 105.984$ is the 20% darker color. If you saturate the color by 10%, you get $42, 24.271, 106.519$, and if you desaturate by 10%, it is $42, 12.508, 108.310$.

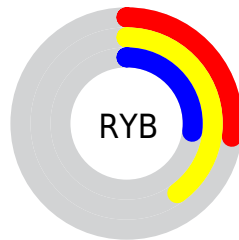
Distribution



Red (40%)

Green (40%)

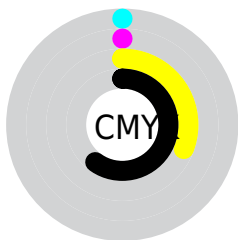
Blue (27%)



Red (27%)

Yellow (40%)

Blue (27%)

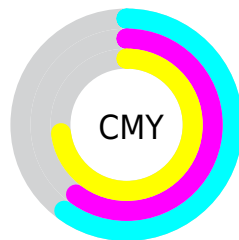


Cyan (0%)

Magenta (0%)

Yellow (31%)

Black (60%)



Cyan (60%)


Magenta (60%)

Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 18.455, 107.402 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, 18.455, 107.402 by changing the saturation by 10% instead.


 42, 18.455,
107.402


 42, 18.455,
107.402


 100, 18.455,
107.402


 32, 18.455,
107.402

 62, 18.455,
107.402


 22, 18.455,
107.402

 72, 18.455,
107.402

 12, 18.455,
107.402


 82, 18.455,
107.402

 2, 18.455, 107.402

 92, 18.455,
107.402

 0, 18.455, 107.402

 42, 18.455,

 42, 18.455,

107.402

107.402

■ 42, 24.271,
106.519

■ 42, 12.508,
108.310

■ 42, 29.867,
105.670

■ 42, 6.485, 109.215

■ 42, 35.115,
104.882

■ 43, 0.425, 110.028

■ 43, 5.647, 291.007

■ 41, 39.832,
104.184

■ 43, 11.713,
291.859

■ 41, 43.781,
103.611

■ 44, 17.761,
292.682

■ 41, 46.714,
103.193

■ 44, 23.781,
293.471

■ 41, 49.090,
102.859

■ 45, 29.766,
294.224

■ 45, 35.710,

Harmonies

Complementary

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



42, 18.455, 107.402



31, 19.781, 293.682

Rectangle

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



42, 18.455, 107.402



42, 18.455, 157.402



42, 18.455, 287.402



42, 18.455, 337.402

Sweetspot

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



42, 18.456, 107.406



54, 6.713, 109.346



33, 14.344, 21.758



28, 4.700, 109.248



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, 18.456, 107.406



53, 27.234, 106.753



41, 19.809, 127.735



21, 3.429, 109.374



47, 53.753, 102.859



93, 93.218, 102.859

Inverse Universe

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



31, 19.781, 293.682



37, 29.786, 294.786



32, 20.619, 310.461



19, 3.498, 291.042



11, 74.222, 306.288



30, 128.717, 306.287

Previews

White Background



This preview shows how the CIELCh color 42, 18.455, 107.402 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, 18.455, 107.402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

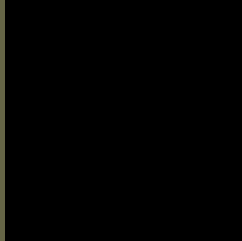
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

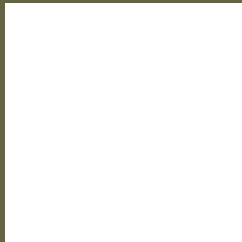
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 18.455, 107.402

Background



This preview shows how black text looks on a background with the CIELCh color 42, 18.455, 107.402.



This preview shows how white text looks on a background with the CIELCh color 42, 18.455, 107.402.

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

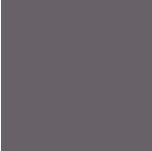
42, 18.455, 107.402

Protanopia

42, 18.319, 95.799

Deuteranopia

42, 18.171, 71.772



Tritanopia
42, 5.390, 328.429

Trichromacy



Original Color
42, 18.455, 107.402

Protanomaly
42, 18.630, 100.277

Deuteranomaly
42, 17.159, 83.888

Tritanomaly
42, 4.430, 74.049

Monochromacy



Original Color
42, 18.455, 107.402

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 6.633, 109.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 18.455, 107.402 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(101, 101, 70)` looks like.

```
.text, #text, p{  
    color:rgb(101, 101, 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(101, 101, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 101, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 18.455, 107.402 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(101, 101, 70) }
```

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

```
.border{ border-color:rgb(101, 101, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 101, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 101, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 101, 70);  
box-shadow:4px 4px 4px 4px rgb(101, 101,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 18.455, 107.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 101, 70) }
```

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

```
.background{ background-color: rgb(101,  
101, 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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