

Converting Colors

CIELCh(42, 9.847, 108.652)

Have a look what the booklet for
CIELCh(42, 9.847, 108.652) contains.

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Color

CIELCh(42, 9.604, 108.734)

Conversions

Conversions Part 1

Format	Color
Hex	646454
RGB	100, 100, 84
RGB Percent	39%, 39%, 33%
CMY	0.6073, 0.6073, 0.6701
CMYK	0.00, 0.00, 0.16, 0.61
HSL	60°, 9%, 36%
HSV	60°, 16%, 39%
XYZ	11.4465, 12.5000, 10.2242
YIQ	98.1760, 5.1360, -4.9760

Conversions

Conversions Part 2

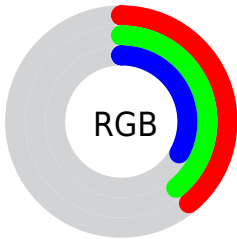
Format	Color
R_{YB}	84, 100, 84
Decimal	6579284
CIE Lab	42.00, -3.08, 9.10
CIE LCh	42, 9.604, 108.734
Yxy	12.5000, 0.3350, 0.3658
Android (android.graphics.Color)	4284769364 (0xFF646454)
YUV	98.1760, -6.9888, 1.5996
Hunter-Lab	35.3553, -4.0814, 7.6030

Details

The CIELCh color $42, 9.604, 108.734$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $36, 9.938, 291.798$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 9.485, 109.118$, and $22, 9.320, 108.025$ is the 20% darker color. If you saturate the color by 10%, you get $42, 15.555, 107.834$, and if you desaturate by 10%, it is $42, 3.600, 109.637$.

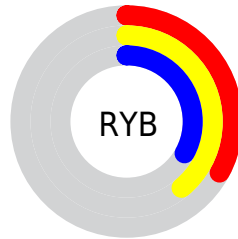
Distribution



Red (39%)

Green (39%)

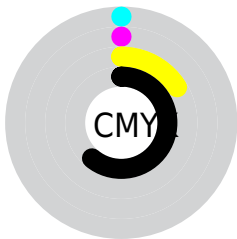
Blue (33%)



Red (33%)

Yellow (39%)

Blue (33%)

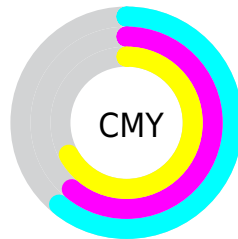


Cyan (0%)

Magenta (0%)

Yellow (16%)

Black (61%)



Cyan (61%)

Magenta (61%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 9.604, 108.734 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, 9.604, 108.734 by changing the saturation by 10% instead.

■ 42, 9.604, 108.734

■ 42, 9.604, 108.734

■ 100, 9.604,
108.734

■ 32, 9.604, 108.734

■ 62, 9.604, 108.734

■ 22, 9.604, 108.734

■ 72, 9.604, 108.734

■ 12, 9.604, 108.734

■ 82, 9.604, 108.734

■ 2, 9.604, 108.734

■ 92, 9.604, 108.734

■ 0, 9.604, 108.734

■ 42, 9.604, 108.734

■ 42, 9.604, 108.734

■ 42, 15.555,
107.834

■ 42, 3.600, 109.637

■ 42, 21.404,

■ 43, 2.428, 290.554

106.938

43, 8.459, 291.411

41, 27.080,
106.069

43, 14.478,
292.250

41, 32.478,
105.249

44, 20.475,
293.057

41, 37.443,
104.505

44, 26.440,
293.828

41, 41.763,
103.869

45, 32.367,
294.563

41, 45.190,
103.373

45, 38.252,
295.259

41, 47.758,
103.008

46, 44.089,
295.916

41, 48.816,
102.859

Harmonies

Complementary

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



42, 9.604, 108.734



36, 9.938, 291.798

Rectangle

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



42, 9.604, 108.734



42, 9.604, 158.734



42, 9.604, 288.734



42, 9.604, 338.734

Sweetspot

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



42, 9.605, 108.740



54, 3.729, 109.711



37, 7.032, 20.378



28, 2.564, 109.667



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, 9.605, 108.740



54, 14.138, 108.417



41, 10.259, 128.403



21, 3.429, 109.374



47, 53.753, 102.859



93, 93.218, 102.860

Inverse Universe

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



36, 9.938, 291.798



45, 14.745, 292.215



37, 10.471, 309.747



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, 9.604, 108.734 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, 9.604, 108.734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

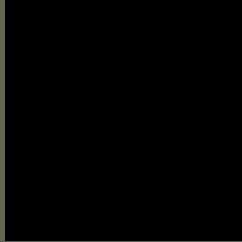
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 9.604, 108.734

Background



This preview shows how black text looks on a background with the CIELCh color 42, 9.604, 108.734.



This preview shows how white text looks on a background with the CIELCh color 42, 9.604, 108.734.

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, 9.604, 108.734

Protanopia

42, 9.862, 95.760

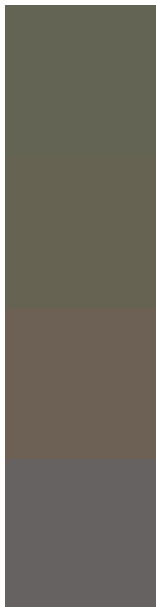
Deuteranopia

42, 10.458, 55.152



Tritanopia
42, 5.455, 317.576

Trichromacy



Original Color
42, 9.604, 108.734

Protanomaly
42, 9.772, 98.303

Deuteranomaly
42, 8.995, 72.838

Tritanomaly
42, 1.780, 39.197

Monochromacy



Original Color
42, 9.604, 108.734

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 3.612, 109.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 9.604, 108.734 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(100, 100, 84)` looks like.

```
.text, #text, p{  
    color:rgb(100, 100, 84)  
}
```

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(100, 100, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 100, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 9.604, 108.734 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(100, 100, 84) }
```

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

```
.border{ border-color:rgb(100, 100, 84) }
```

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

Here you see how a box with a 4 pixel rgb(100, 100, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 100, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 100, 84);  
box-shadow:4px 4px 4px 4px rgb(100, 100,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 9.604, 108.734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 100, 84) }
```

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

```
.background{ background-color: rgb(100,  
100, 84) }
```

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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