

Converting Colors

CIELCh(60, 23.937, 107.427)

Have a look what the booklet for
CIELCh(60, 23.937, 107.427)
contains.

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Color

CIELCh(60, 23.937, 107.427)

Conversions

Conversions Part 1

Format	Color
Hex	939368
RGB	147, 147, 104
RGB Percent	58%, 58%, 41%
CMY	0.4230, 0.4230, 0.5917
CMYK	0.00, 0.00, 0.29, 0.42
HSL	60°, 17%, 49%
HSV	60°, 29%, 58%
XYZ	25.0136, 28.1233, 17.2388
YIQ	142.0980, 13.8030, -13.3730

Conversions

Conversions Part 2

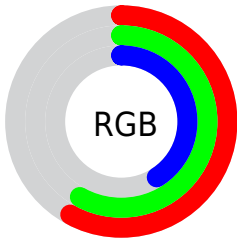
Format	Color
RYB	104, 147, 104
Decimal	9671528
CIELab	60.00, -7.17, 22.84
CIELCh	60, 23.937, 107.427
Yxy	28.1233, 0.3554, 0.3996
Android (android.graphics.Color)	4287861608 (0xFF939368)
YUV	142.0980, -18.7823, 4.2991
Hunter-Lab	53.0314, -8.6110, 17.8488

Details

The CIELCh color $60, 23.937, 107.427$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $46, 25.636, 293.635$, and the grayscale version is $59, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 24.248, 107.037$, and $40, 24.358, 107.506$ is the 20% darker color. If you saturate the color by 10%, you get $60, 31.863, 106.509$, and if you desaturate by 10%, it is $60, 15.828, 108.371$.

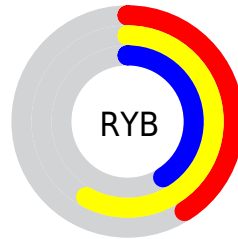
Distribution



Red (58%)

Green (58%)

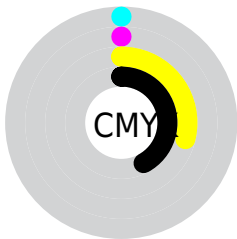
Blue (41%)



Red (41%)

Yellow (58%)

Blue (41%)

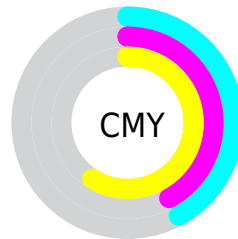


Cyan (0%)

Magenta (0%)

Yellow (29%)

Black (42%)



Cyan (42%)


Magenta (42%)

Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 23.937, 107.427 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 60, 23.937, 107.427 by changing the saturation by 10% instead.

 60, 23.937,
107.427


 60, 23.937,
107.427

 100, 23.937,
107.427

 50, 23.937,
107.427


 80, 23.937,
107.427

 40, 23.937,
107.427

 90, 23.937,
107.427

 30, 23.937,
107.427

 20, 23.937,
107.427

 10, 23.937,
107.427

 0, 23.937, 107.427

 60, 23.937,

 60, 23.937,

107.427

107.427

■ 60, 31.863,
106.509

■ 60, 15.828,
108.371

■ 60, 39.476,
105.627

■ 61, 7.616, 109.312

■ 59, 46.584,
104.813

■ 61, 0.643, 290.331

■ 61, 8.916, 291.168

■ 59, 52.912,
104.100

■ 62, 17.176,
292.049

■ 59, 58.107,
103.525

■ 62, 25.407,
292.896

■ 59, 61.806,
103.124

■ 63, 33.595,
293.706

■ 59, 64.143,
102.873

■ 64, 41.732,
294.476

■ 59, 64.318,
102.855

■ 64, 49.808,

Harmonies

Complementary

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



60, 23.937, 107.427



46, 25.636, 293.635

Rectangle

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



60, 23.937, 107.427



60, 23.937, 157.427



60, 23.937, 287.427



60, 23.937, 337.427

Sweetspot

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



60, 23.938, 107.431



77, 9.196, 109.316



48, 18.580, 21.724



41, 6.440, 109.191



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



60, 23.938, 107.431



76, 35.323, 106.829



58, 25.691, 127.749



31, 4.681, 109.314



56, 61.289, 102.855



3, 4.113, 110.178

Inverse Universe

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



46, 25.636, 293.635



55, 38.533, 294.642



48, 26.729, 310.445



28, 4.780, 291.104



15, 84.629, 306.287



0, 4.113, 290.179

Previews

White Background



This preview shows how the CIELCh color 60, 23.937, 107.427 looks on a white 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

Black Background



This preview shows how the CIELCh color 60, 23.937, 107.427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

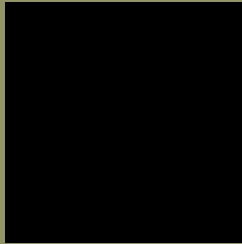
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

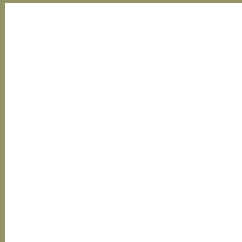
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 60, 23.937, 107.427

Background



This preview shows how black text looks on a background with the CIELCh color 60, 23.937, 107.427.



This preview shows how white text looks on a background with the CIELCh color 60, 23.937, 107.427.

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


60, 23.937, 107.427

Protanopia

60, 23.521, 94.780

Deuteranopia

60, 23.288, 69.961



Tritanopia
60, 7.780, 327.180

Trichromacy



Original Color
60, 23.937, 107.427

Protanomaly
60, 23.701, 99.105

Deuteranomaly
60, 22.266, 83.688

Tritanomaly
60, 5.517, 74.108

Monochromacy



Original Color
60, 23.937, 107.427

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 9.005, 109.136

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 23.937, 107.427 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(147, 147, 104)` looks like.

```
.text, #text, p{  
    color:rgb(147, 147, 104)  
}
```

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(147, 147, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 147, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 23.937, 107.427 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(147, 147, 104) }
```

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

```
.border{ border-color:rgb(147, 147, 104) }
```

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

Here you see how a box with a 4 pixel rgb(147, 147, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 147, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 147, 104);  
box-shadow:4px 4px 4px 4px rgb(147, 147,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 23.937, 107.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 147, 104) }
```

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

```
.background{ background-color: rgb(147,  
147, 104) }
```

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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