

Converting Colors

CIELCh(61, 23.498, 98.762)

Have a look what the booklet for
CIELCh(61, 23.498, 98.762) contains.

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Color

CIELCh(61, 23.618, 99.170)

Conversions

Conversions Part 1

Format	Color
Hex	9C946A
RGB	156, 148, 106
RGB Percent	61%, 58%, 42%
CMY	0.3886, 0.4200, 0.5847
CMYK	0.00, 0.05, 0.32, 0.39
HSL	50°, 20%, 51%
HSV	50°, 32%, 61%
XYZ	26.8644, 29.2481, 17.8413
YIQ	145.6040, 18.2500, -11.3660

Conversions

Conversions Part 2

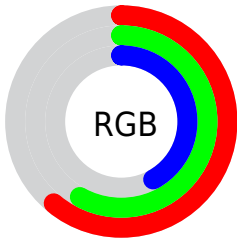
Format	Color
R_{YB}	116, 156, 106
Decimal	10261610
CIE Lab	61.00, -3.76, 23.32
CIE LCh	61, 23.618, 99.170
Yxy	29.2481, 0.3633, 0.3955
Android (android.graphics.Color)	4288451690 (0xFF9C946A)
YUV	145.6040, -19.5248, 9.1173
Hunter-Lab	54.0815, -5.9749, 18.2975

Details

The CIELCh color $61, 23.618, 99.170$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $49, 24.755, 287.067$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 23.450, 99.319$, and $41, 23.934, 99.702$ is the 20% darker color. If you saturate the color by 10%, you get $60, 30.897, 98.034$, and if you desaturate by 10%, it is $62, 16.254, 100.301$.

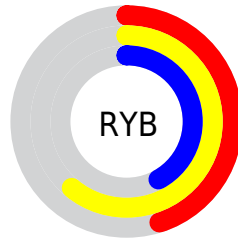
Distribution



Red (61%)

Green (58%)

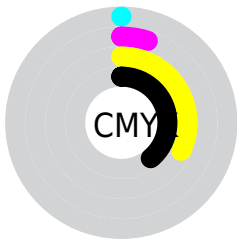
Blue (42%)



Red (45%)

Yellow (61%)

Blue (42%)

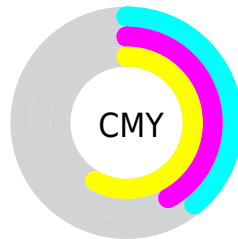


Cyan (0%)

Magenta (5%)

Yellow (32%)

Black (39%)



Cyan (39%)

Magenta (42%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 23.618, 99.170 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 61, 23.618, 99.170 by changing the saturation by 10% instead.

■ 61, 23.618, 99.170

■ 61, 23.618, 99.170

■ 100, 23.618,
99.170

■ 51, 23.618, 99.170

■ 81, 23.618, 99.170

■ 41, 23.618, 99.170

■ 91, 23.618, 99.170

■ 31, 23.618, 99.170

■ 21, 23.618, 99.170

■ 11, 23.618, 99.170

■ 1, 23.618, 99.170

■ 0, 23.618, 99.170

■ 61, 23.618, 99.170

■ 61, 23.618, 99.170

■ 60, 30.897, 98.034

■ 62, 16.254,

59, 37.973, 96.889	100.301
58, 44.654, 95.749	63, 8.870, 101.402
57, 50.639, 94.619	64, 1.508, 102.417
57, 55.499, 93.495	65, 5.811, 283.553
56, 58.741, 92.356	66, 13.074, 284.544
55, 60.422, 91.441	68, 20.274, 285.500
	69, 27.409, 286.413
	70, 34.477, 287.280
	71, 41.478, 288.102

Harmonies

Complementary

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



61, 23.618, 99.170



49, 24.755, 287.067

Rectangle

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



61, 23.618, 99.170



61, 23.618, 149.170



61, 23.618, 279.170



61, 23.618, 329.170

Sweetspot

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



61, 23.619, 99.175



80, 9.054, 101.604



50, 21.503, 9.320



42, 6.229, 101.463



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



61, 23.619, 99.175



76, 34.438, 98.416



62, 28.427, 121.316



33, 4.201, 101.704



51, 56.701, 91.538



4, 5.333, 101.073

Inverse Universe

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



49, 24.755, 287.067



59, 36.563, 288.271



48, 30.199, 305.066



31, 4.259, 283.771



18, 77.831, 303.151



1, 5.551, 283.160

Previews

White Background



This preview shows how the CIELCh color 61, 23.618, 99.170 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 61, 23.618, 99.170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

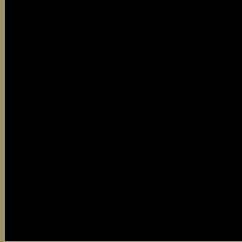
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 23.618, 99.170

Background



This preview shows how black text looks on a background with the CIELCh color 61, 23.618, 99.170.



This preview shows how white text looks on a background with the CIELCh color 61, 23.618, 99.170.

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


61, 23.618, 99.170

Protanopia

61, 23.340, 95.887

Deuteranopia

61, 24.104, 71.445



Tritanopia
61, 9.640, 340.498

Trichromacy



Original Color
61, 23.618, 99.170

Protanomaly
61, 23.252, 96.929

Deuteranomaly
61, 23.074, 82.264

Tritanomaly
61, 7.535, 56.260

Monochromacy



Original Color
61, 23.618, 99.170

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 9.043, 101.453

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 23.618, 99.170 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(156, 148, 106)` looks like.

```
.text, #text, p{  
    color:rgb(156, 148, 106)  
}
```

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(156, 148, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 148, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 23.618, 99.170 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(156, 148, 106) }
```

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

```
.border{ border-color:rgb(156, 148, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 148, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 148, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 148, 106); box-shadow:4px 4px 4px 4px rgb(156, 148, 106) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 23.618, 99.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 148, 106) }
```

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

```
.background{ background-color: rgb(156,  
148, 106) }
```

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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