

Converting Colors

CIELCh(39, 21.805, 150.633)

Have a look what the booklet for
CIELCh(39, 21.805, 150.633)
contains.

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Color

CIELCh(39, 21.901, 150.641)

Conversions

Conversions Part 1

Format	Color
Hex	40644A
RGB	64, 100, 74
RGB Percent	25%, 39%, 29%
CMY	0.7497, 0.6085, 0.7104
CMYK	0.36, 0.00, 0.26, 0.61
HSL	137°, 22%, 32%
HSV	137°, 36%, 39%
XYZ	7.8756, 10.6589, 8.0929
YIQ	86.2720, -13.1100, -15.7180

Conversions

Conversions Part 2

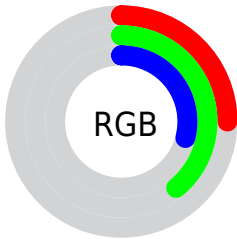
Format	Color
R_{YB}	64, 92, 100
Decimal	4219978
CIE _{Lab}	39.00, -19.09, 10.74
CIE _{LCh}	39, 21.901, 150.641
Yxy	10.6589, 0.2958, 0.4003
Android (android.graphics.Color)	4282410058 (0xFF40644A)
YUV	86.2720, -6.0501, -19.5325
Hunter-Lab	32.6480, -14.0750, 8.1567

Details

The CIELCh color $39, 21.901, 150.641$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $32, 22.105, 335.808$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $59, 21.769, 150.982$, and $19, 21.909, 150.432$ is the 20% darker color. If you saturate the color by 10%, you get $38, 27.768, 149.602$, and if you desaturate by 10%, it is $40, 15.873, 151.551$.

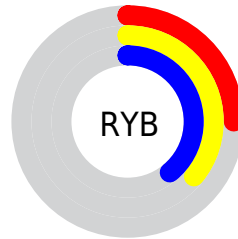
Distribution



Red (25%)

Green (39%)

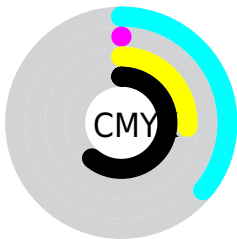
Blue (29%)



Red (25%)

Yellow (36%)

Blue (39%)

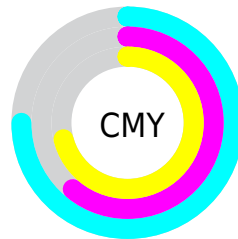


Cyan (36%)

Magenta (0%)

Yellow (26%)

Black (61%)



Cyan (75%)


Magenta (61%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 21.901, 150.641 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 39, 21.901, 150.641 by changing the saturation by 10% instead.


 39, 21.901,
150.641


 39, 21.901,
150.641

 100, 21.901,
150.641


 29, 21.901,
150.641

 59, 21.901,
150.641


 19, 21.901,
150.641

 69, 21.901,
150.641

 9, 21.901, 150.641

 79, 21.901,
150.641

 0, 21.901, 150.641

 89, 21.901,
150.641

 99, 21.901,
150.641

■ 39, 21.901,
150.641

■ 39, 21.901,
150.641

■ 38, 27.768,
149.602

■ 40, 15.873,
151.551

■ 38, 33.371,
148.418

■ 41, 9.769, 152.352

■ 37, 38.605,
147.077

■ 42, 3.665, 153.082

■ 43, 2.380, 333.557

■ 37, 43.368,
145.578

■ 44, 8.323, 334.162

■ 37, 47.572,
143.936

■ 45, 14.132,
334.657

■ 36, 51.229,
142.284

■ 46, 19.788,
335.096

■ 36, 52.589,
141.733

■ 48, 25.279,
335.492

■ 49, 30.600,

Harmonies

Complementary

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



39, 21.901, 150.641



32, 22.105, 335.808

Rectangle

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



39, 21.901, 150.641



39, 21.901, 200.641



39, 21.901, 330.641



39, 21.901, 20.641

Sweetspot

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



39, 21.902, 150.641



53, 8.303, 152.701



41, 21.880, 118.482



27, 5.625, 152.635



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



39, 21.902, 150.641



50, 32.275, 149.798



39, 15.023, 177.472



21, 3.466, 152.872



42, 58.501, 141.382



84, 104.382, 140.153

Inverse Universe

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



32, 22.105, 335.808



39, 32.553, 336.431



31, 17.062, 4.661



20, 3.482, 333.928



24, 52.347, 342.482



54, 89.798, 343.623

Previews

White Background



This preview shows how the CIE LCh color 39, 21.901, 150.641 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 39, 21.901, 150.641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

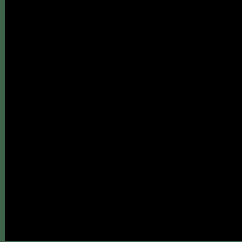
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 21.901, 150.641

Background



This preview shows how black text looks on a background with the CIELCh color 39, 21.901, 150.641.



This preview shows how white text looks on a background with the CIELCh color 39, 21.901, 150.641.

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
39, 21.901, 150.641

Protanopia
39, 13.184, 93.997

Deuteranopia
39, 11.082, 61.198



Tritanopia
39, 10.732, 225.686

Trichromacy



Original Color
39, 21.901, 150.641

Protanomaly
39, 14.414, 122.365

Deuteranomaly
39, 10.360, 110.999

Tritanomaly
39, 11.689, 185.756

Monochromacy



Original Color
39, 21.901, 150.641

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 7.871, 153.666

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 21.901, 150.641 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(64, 100, 74)` looks like.

```
.text, #text, p{  
    color:rgb(64, 100, 74)  
}
```

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(64, 100, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 100, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 21.901, 150.641 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(64, 100, 74) }
```

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

```
.border{ border-color:rgb(64, 100, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 100, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 100, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 100, 74);  
box-shadow:4px 4px 4px 4px rgb(64, 100,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 21.901, 150.641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 100, 74) }
```

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

```
.background{ background-color: rgb(64, 100,  
74) }
```

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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