

Converting Colors

CIELCh(51, 36.624, 135.603)

Have a look what the booklet for
CIELCh(51, 36.624, 135.603)
contains.

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Color

CIELCh(51, 36.627, 135.641)

Conversions

Conversions Part 1

Format	Color
Hex	59844C
RGB	89, 132, 76
RGB Percent	35%, 52%, 30%
CMY	0.6496, 0.4809, 0.7006
CMYK	0.32, 0.00, 0.42, 0.48
HSL	106°, 27%, 41%
HSV	106°, 42%, 52%
XYZ	13.7702, 19.2686, 9.8920
YIQ	112.7590, -7.6520, -26.5320

Conversions

Conversions Part 2

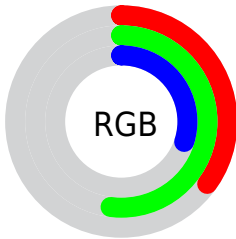
Format	Color
R_{YB}	76, 132, 119
Decimal	5866572
CIE _{Lab}	51.00, -26.19, 25.61
CIE _{LCh}	51, 36.627, 135.641
Yxy	19.2686, 0.3208, 0.4488
Android (android.graphics.Color)	4284056652 (0xFF59844C)
YUV	112.7590, -18.1222, -20.8366
Hunter-Lab	43.8960, -20.8224, 17.3661

Details

The CIELCh color $51, 36.627, 135.641$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $39, 37.417, 319.588$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $71, 36.198, 135.578$, and $31, 36.577, 135.563$ is the 20% darker color. If you saturate the color by 10%, you get $50, 44.819, 135.029$, and if you desaturate by 10%, it is $52, 28.110, 136.240$.

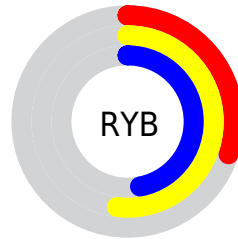
Distribution



Red (35%)

Green (52%)

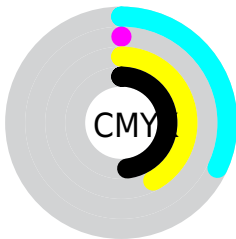
Blue (30%)



Red (30%)

Yellow (52%)

Blue (47%)

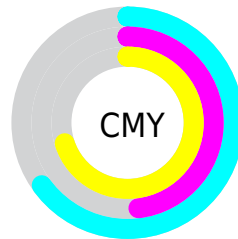


Cyan (32%)

Magenta (0%)

Yellow (42%)

Black (48%)



Cyan (65%)


Magenta (48%)


Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 36.627, 135.641 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 51, 36.627, 135.641 by changing the saturation by 10% instead.


 51, 36.627,
135.641


 51, 36.627,
135.641


 100, 36.627,
135.641


 41, 36.627,
135.641


 71, 36.627,
135.641

 31, 36.627,
135.641

 81, 36.627,
135.641

 21, 36.627,
135.641

 91, 36.627,
135.641

 11, 36.627,
135.641

 1, 36.627, 135.641

 0, 36.627, 135.641

■ 51, 36.627,
135.641

■ 51, 36.627,
135.641

■ 50, 44.819,
135.029

■ 52, 28.110,
136.240

■ 50, 52.467,
134.452

■ 53, 19.427,
136.799

■ 49, 59.289,
133.989

■ 54, 10.696,
137.308

■ 49, 64.943,
133.748

■ 55, 2.005, 137.814

■ 48, 69.096,
133.843

■ 56, 6.585, 318.109

■ 48, 71.608,
133.934

■ 58, 15.029,
318.462

■ 59, 23.298,
318.759

■ 60, 31.375,
319.013

■ 62, 39.248,
319.231

Harmonies

Complementary

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



51, 36.627, 135.641



39, 37.417, 319.588

Rectangle

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



51, 36.627, 135.641



51, 36.627, 185.641



51, 36.627, 315.641



51, 36.627, 5.641

Sweetspot

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



51, 36.628, 135.642



68, 13.899, 137.261



50, 25.480, 93.351



36, 9.809, 137.165



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



51, 36.628, 135.642



64, 53.824, 135.042



51, 32.531, 149.452



27, 4.892, 137.462



47, 70.684, 133.915



1, 1.169, 137.838

Inverse Universe

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



39, 37.417, 319.588



47, 55.160, 319.930



40, 32.779, 335.901



26, 4.922, 318.196



25, 71.739, 319.816



0, 1.169, 317.834

Previews

White Background



This preview shows how the CIELCh color 51, 36.627, 135.641 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 51, 36.627, 135.641 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 51, 36.627, 135.641

Background



This preview shows how black text looks on a background with the CIELCh color 51, 36.627, 135.641.



This preview shows how white text looks on a background with the CIELCh color 51, 36.627, 135.641.

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
51, 36.627, 135.641

Protanopia
51, 28.500, 96.276

Deuteranopia
51, 24.987, 75.291



Tritanopia
51, 10.952, 230.960

Trichromacy



Original Color
51, 36.627, 135.641

Protanomaly
51, 29.272, 114.312

Deuteranomaly
51, 24.698, 103.803

Tritanomaly
51, 15.330, 165.622

Monochromacy



Original Color
51, 36.627, 135.641

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 13.496, 138.053

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 36.627, 135.641 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(89, 132, 76)` looks like.

```
.text, #text, p{  
    color:rgb(89, 132, 76)  
}
```

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(89, 132, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 132, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 36.627, 135.641 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(89, 132, 76) }
```

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

```
.border{ border-color:rgb(89, 132, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 132, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 132, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 132, 76);  
box-shadow:4px 4px 4px 4px rgb(89, 132,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 36.627, 135.641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 132, 76) }
```

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

```
.background{ background-color: rgb(89, 132,  
76) }
```

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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