

Converting Colors

CIELCh(51, 20.367, 137.135)

Have a look what the booklet for
CIELCh(51, 20.367, 137.135)
contains.

CIELCh(51, 20.544, 136.891)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 20.544, 136.891)

Conversions

Conversions Part 1

Format	Color
Hex	688061
RGB	104, 128, 97
RGB Percent	41%, 50%, 38%
CMY	0.5919, 0.4977, 0.6193
CMYK	0.19, 0.00, 0.24, 0.50
HSL	106°, 14%, 44%
HSV	106°, 24%, 50%
XYZ	15.6065, 19.2686, 14.2227
YIQ	117.2900, -4.3530, -14.7290

Conversions

Conversions Part 2

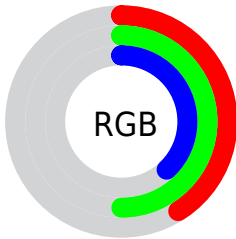
Format	Color
R_{YB}	97, 128, 121
Decimal	6848609
CIE _{Lab}	51.00, -15.00, 14.04
CIE _{LCh}	51, 20.544, 136.891
Yxy	19.2686, 0.3179, 0.3925
Android (android.graphics.Color)	4285038689 (0xFF688061)
YUV	117.2900, -10.0030, -11.6553
Hunter-Lab	43.8960, -13.3555, 11.5167

Details

The CIELCh color $51, 20.544, 136.891$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $45, 20.803, 319.046$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 20.405, 136.687$, and $31, 21.010, 136.831$ is the 20% darker color. If you saturate the color by 10%, you get $50, 28.995, 136.322$, and if you desaturate by 10%, it is $52, 12.031, 137.412$.

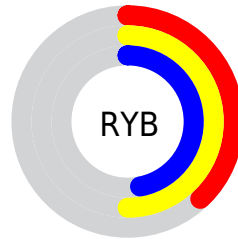
Distribution



Red (41%)

Green (50%)

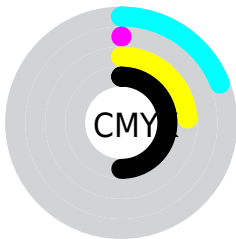
Blue (38%)



Red (38%)

Yellow (50%)

Blue (47%)

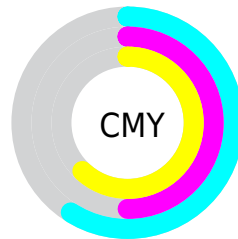


Cyan (19%)

Magenta (0%)

Yellow (24%)

Black (50%)



Cyan (59%)


Magenta (50%)


Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 20.544, 136.891 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, 20.544, 136.891 by changing the saturation by 10% instead.


 51, 20.544,
136.891


 51, 20.544,
136.891


 100, 20.544,
136.891


 41, 20.544,
136.891


 71, 20.544,
136.891

 31, 20.544,
136.891

 81, 20.544,
136.891

 21, 20.544,
136.891

 91, 20.544,
136.891

 11, 20.544,
136.891

 1, 20.544, 136.891

 0, 20.544, 136.891

■ 51, 20.544,
136.891

■ 51, 20.544,
136.891

■ 50, 28.995,
136.322

■ 52, 12.031,
137.412

■ 49, 37.259,
135.713

■ 53, 3.542, 137.899

■ 49, 45.170,
135.096

■ 54, 4.857, 318.230

■ 48, 52.509,
134.521

■ 56, 13.120,
318.599

■ 47, 58.989,
134.074

■ 57, 21.216,
318.905

■ 47, 64.274,
133.865

■ 58, 29.125,
319.167

■ 47, 68.088,
133.984

■ 60, 36.837,
319.391

■ 47, 69.977,

■ 61, 44.346,
319.583

133.993

■ 63, 51.654,
319.746

Harmonies

Complementary

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



51, 20.544, 136.891



45, 20.803, 319.046

Rectangle

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



51, 20.544, 136.891



51, 20.544, 186.891



51, 20.544, 316.891



51, 20.544, 6.891

Sweetspot

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



51, 20.545, 136.892



67, 7.292, 137.753



51, 14.125, 95.554



35, 4.776, 137.732



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 20.545, 136.892



64, 30.382, 136.587



51, 18.254, 151.228



26, 4.743, 137.660



46, 69.746, 133.988



0, 0.000, 0.000

Inverse Universe

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



45, 20.803, 319.046



55, 30.843, 319.277



45, 18.386, 334.551



25, 4.772, 318.393



24, 70.647, 320.048



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 20.544, 136.891 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, 20.544, 136.891 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

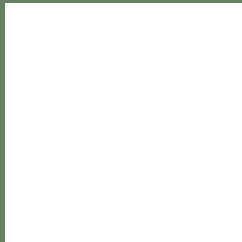
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 20.544, 136.891

Background



This preview shows how black text looks on a background with the CIELCh color 51, 20.544, 136.891.



This preview shows how white text looks on a background with the CIELCh color 51, 20.544, 136.891.

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, 20.544, 136.891

Protanopia

51, 16.016, 95.523

Deuteranopia

51, 14.105, 61.098



Tritanopia
51, 7.511, 250.223

Trichromacy



Original Color
51, 20.544, 136.891

Protanomaly
51, 16.811, 113.881

Deuteranomaly
51, 12.556, 94.681

Tritanomaly
51, 7.328, 175.200

Monochromacy



Original Color
51, 20.544, 136.891

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 7.427, 138.966

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 20.544, 136.891 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(104, 128, 97)` looks like.

```
.text, #text, p{  
    color:rgb(104, 128, 97)  
}
```

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(104, 128, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 128, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 20.544, 136.891 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(104, 128, 97) }
```

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

```
.border{ border-color:rgb(104, 128, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 128, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 128, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 128, 97);  
box-shadow:4px 4px 4px 4px rgb(104, 128,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 20.544, 136.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 128, 97) }
```

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

```
.background{ background-color: rgb(104,  
128, 97) }
```

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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