

Converting Colors

CIELCh(53, 16.525, 133.420)

Have a look what the booklet for
CIELCh(53, 16.525, 133.420)
contains.

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Color

CIELCh(53, 16.525, 133.420)

Conversions

Conversions Part 1

Format	Color
Hex	73846A
RGB	115, 132, 106
RGB Percent	45%, 52%, 42%
CMY	0.5505, 0.4839, 0.5858
CMYK	0.13, 0.00, 0.20, 0.48
HSL	99°, 11%, 47%
HSV	99°, 20%, 52%
XYZ	17.7983, 21.0462, 16.6559
YIQ	123.9530, -1.7860, -11.6900

Conversions

Conversions Part 2

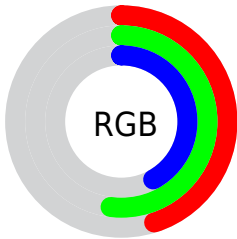
Format	Color
RYB	106, 132, 123
Decimal	7570538
CIELab	53.00, -11.36, 12.00
CIElCh	53, 16.525, 133.420
Yxy	21.0462, 0.3207, 0.3792
Android (android.graphics.Color)	4285760618 (0xFF73846A)
YUV	123.9530, -8.8508, -7.8518
Hunter-Lab	45.8761, -11.0314, 10.5873

Details

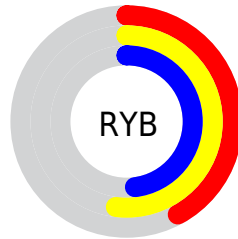
The CIELCh color $53, 16.525, 133.420$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $47, 16.809, 315.059$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 16.664, 133.256$, and $33, 16.617, 133.457$ is the 20% darker color. If you saturate the color by 10%, you get $52, 24.889, 132.936$, and if you desaturate by 10%, it is $54, 8.135, 133.877$.

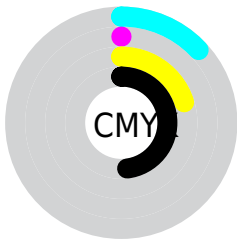
Distribution



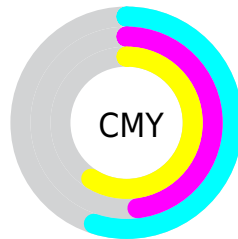
- Red (45%)
- Green (52%)
- Blue (42%)



- Red (42%)
- Yellow (52%)
- Blue (48%)



- Cyan (13%)
- Magenta (0%)
- Yellow (20%)
- Black (48%)





- Cyan (55%)
- Magenta (48%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 16.525, 133.420 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 53, 16.525, 133.420 by changing the saturation by 10% instead.


 53, 16.525,
133.420


 53, 16.525,
133.420


 100, 16.525,
133.420


 43, 16.525,
133.420


 73, 16.525,
133.420

 33, 16.525,
133.420

 83, 16.525,
133.420

 23, 16.525,
133.420

 93, 16.525,
133.420

 13, 16.525,
133.420

 3, 16.525, 133.420

 0, 16.525, 133.420

■ 53, 16.525,
133.420

■ 53, 16.525,
133.420

■ 52, 24.889,
132.936

■ 54, 8.135, 133.877

■ 51, 33.129,
132.431

■ 55, 0.218, 313.706

■ 56, 8.484, 314.618

■ 51, 41.115,
131.934

■ 57, 16.628,
314.946

■ 50, 48.669,
131.491

■ 59, 24.628,
315.232

■ 49, 55.542,
131.176

■ 60, 32.468,
315.480

■ 49, 61.423,
131.094

■ 61, 40.139,
315.696

■ 49, 65.980,
131.361

■ 63, 47.637,
315.882

■ 48, 69.429,

131.825

■ 64, 54.960,
316.044

■ 48, 69.516,
131.832

Harmonies

Complementary

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



53, 16.525, 133.420



47, 16.809, 315.059

Rectangle

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



53, 16.525, 133.420



53, 16.525, 183.420



53, 16.525, 313.420



53, 16.525, 3.420

Sweetspot

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



53, 16.526, 133.421



69, 6.187, 134.038



52, 10.511, 87.338



36, 4.137, 134.014



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



53, 16.526, 133.421



67, 24.868, 133.192



52, 16.579, 147.564



28, 4.735, 133.904



48, 68.908, 131.816



1, 1.133, 134.259

Inverse Universe

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



47, 16.809, 315.059



58, 25.396, 315.265



48, 16.622, 329.979



26, 4.778, 314.607



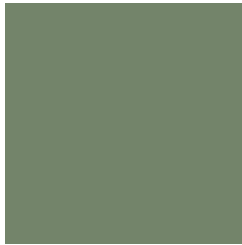
22, 73.162, 316.250



0, 1.133, 314.256

Previews

White Background



This preview shows how the CIELCh color 53, 16.525, 133.420 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 53, 16.525, 133.420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

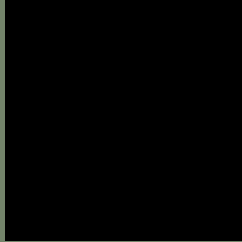
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

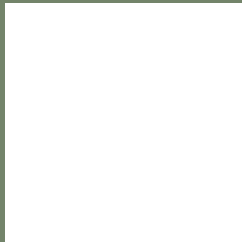
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 16.525, 133.420

Background



This preview shows how black text looks on a background with the CIELCh color 53, 16.525, 133.420.



This preview shows how white text looks on a background with the CIELCh color 53, 16.525, 133.420.

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](#).

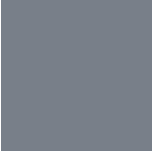
Dichromacy



Original Color
53, 16.525, 133.420

Protanopia
53, 13.669, 93.976

Deuteranopia
53, 12.810, 58.924



Tritanopia
53, 6.315, 266.004

Trichromacy



Original Color
53, 16.525, 133.420

Protanomaly
53, 13.783, 110.196

Deuteranomaly
53, 11.058, 88.656

Tritanomaly
53, 4.676, 177.202

Monochromacy



Original Color
53, 16.525, 133.420

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 6.287, 132.185

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 16.525, 133.420 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(115, 132, 106)` looks like.

```
.text, #text, p{  
    color:rgb(115, 132, 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(115, 132, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 132, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 16.525, 133.420 is called "border". The border property can be set on classes, ids or directly on the HTML element.

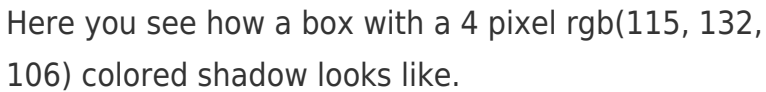
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 132, 106) }
```

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

```
.border{ border-color:rgb(115, 132, 106) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 132, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 132, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 132, 106); box-shadow:4px 4px 4px 4px rgb(115, 132, 106) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 16.525, 133.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 132, 106) }
```

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

```
.background{ background-color: rgb(115,  
132, 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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