

Converting Colors

CIELCh(52, 21.173, 121.952)

Have a look what the booklet for
CIELCh(52, 21.173, 121.952)
contains.

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Color

CIELCh(52, 21.353, 122.654)

Conversions

Conversions Part 1

Format	Color
Hex	74815D
RGB	116, 129, 93
RGB Percent	45%, 51%, 36%
CMY	0.5458, 0.4948, 0.6359
CMYK	0.10, 0.00, 0.28, 0.49
HSL	82°, 16%, 43%
HSV	82°, 28%, 51%
XYZ	16.9763, 20.1443, 13.3118
YIQ	121.0090, 3.8080, -13.9520

Conversions

Conversions Part 2

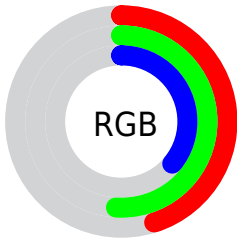
Format	Color
R_{YB}	93, 129, 106
Decimal	7635293
CIE _{Lab}	52.00, -11.52, 17.98
CIE _{LCh}	52, 21.353, 122.654
Yxy	20.1443, 0.3366, 0.3994
Android (android.graphics.Color)	4285825373 (0xFF74815D)
YUV	121.0090, -13.8084, -4.3929
Hunter-Lab	44.8824, -11.0284, 13.8327

Details

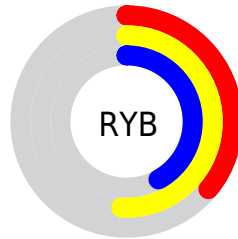
The CIELCh color $52, 21.353, 122.654$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $42, 22.420, 305.679$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 21.235, 123.270$, and $32, 21.302, 123.373$ is the 20% darker color. If you saturate the color by 10%, you get $51, 28.834, 122.144$, and if you desaturate by 10%, it is $53, 13.747, 123.179$.

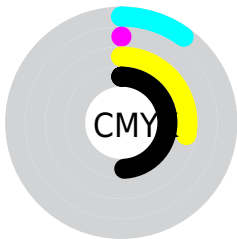
Distribution



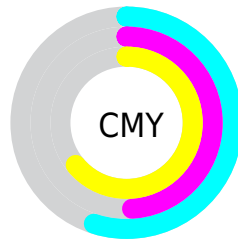
- Red (45%)
- Green (51%)
- Blue (36%)



- Red (36%)
- Yellow (51%)
- Blue (42%)



- Cyan (10%)
- Magenta (0%)
- Yellow (28%)
- Black (49%)





- Cyan (55%)
- Magenta (49%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 21.353, 122.654 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 52, 21.353, 122.654 by changing the saturation by 10% instead.


 52, 21.353,
122.654


 52, 21.353,
122.654


 100, 21.353,
122.654


 42, 21.353,
122.654


 72, 21.353,
122.654

 32, 21.353,
122.654

 82, 21.353,
122.654

 22, 21.353,
122.654

 92, 21.353,
122.654

 12, 21.353,
122.654

 2, 21.353, 122.654

 0, 21.353, 122.654

■ 52, 21.353,
122.654

■ 52, 21.353,
122.654

■ 51, 28.834,
122.144

■ 53, 13.747,
123.179

■ 51, 36.086,
121.672

■ 53, 6.084, 123.696

■ 50, 42.959,
121.285

■ 54, 1.588, 304.148

■ 55, 9.231, 304.639

■ 50, 49.242,
121.051

■ 56, 16.822,
305.076

■ 50, 54.654,
121.059

■ 57, 24.341,
305.479

■ 49, 58.878,
121.416

■ 57, 31.774,
305.850

■ 49, 61.958,
122.100

■ 58, 39.113,
306.190

■ 49, 62.587,

122.227

■ 59, 46.349,
306.501

Harmonies

Complementary

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



52, 21.353, 122.654



42, 22.420, 305.679

Rectangle

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



52, 21.353, 122.654



52, 21.353, 172.654



52, 21.353, 302.654



52, 21.353, 352.654

Sweetspot

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



52, 21.354, 122.656



68, 7.628, 123.683



46, 12.820, 55.539



35, 5.397, 123.616



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



52, 21.354, 122.656



66, 32.220, 122.302



51, 24.399, 138.808



27, 4.283, 123.637



48, 62.113, 122.211



0, 0.000, 0.000

Inverse Universe

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



42, 22.420, 305.679



51, 34.292, 306.146



44, 24.615, 321.519



25, 4.354, 304.540



16, 76.524, 309.533



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 52, 21.353, 122.654 looks on a white background.

Color Contrast Check

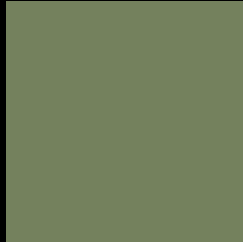
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 21.353, 122.654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

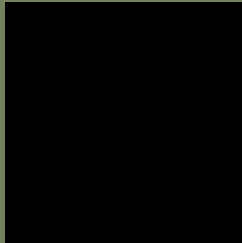
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 21.353, 122.654

Background



This preview shows how black text looks on a background with the CIELCh color 52, 21.353, 122.654.



This preview shows how white text looks on a background with the CIELCh color 52, 21.353, 122.654.

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


52, 21.353, 122.654

Protanopia

52, 19.398, 95.926

Deuteranopia

52, 18.198, 69.163



Tritanopia
52, 5.270, 282.422

Trichromacy



Original Color
52, 21.353, 122.654

Protanomaly
52, 19.498, 106.395

Deuteranomaly
52, 17.422, 91.938

Tritanomaly
52, 5.245, 137.057

Monochromacy



Original Color
52, 21.353, 122.654

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 7.823, 124.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 21.353, 122.654 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(116, 129, 93)` looks like.

```
.text, #text, p{  
    color:rgb(116, 129, 93)  
}
```

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(116, 129, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 129, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 21.353, 122.654 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(116, 129, 93) }
```

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

```
.border{ border-color:rgb(116, 129, 93) }
```

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

Here you see how a box with a 4 pixel rgb(116, 129, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 129, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 129, 93);  
box-shadow:4px 4px 4px 4px rgb(116, 129,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 21.353, 122.654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 129, 93) }
```

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

```
.background{ background-color: rgb(116,  
129, 93) }
```

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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