

Converting Colors

CIELCh(52, 41.248, 122.756)

Have a look what the booklet for
CIELCh(52, 41.248, 122.756)
contains.

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Color

CIELCh(52, 41.248, 122.756)

Conversions

Conversions Part 1

Format	Color
Hex	69853E
RGB	105, 133, 62
RGB Percent	41%, 52%, 24%
CMY	0.5880, 0.4782, 0.7567
CMYK	0.21, 0.00, 0.53, 0.48
HSL	84°, 36%, 38%
HSV	84°, 53%, 52%
XYZ	15.0975, 20.1443, 7.6570
YIQ	116.5340, 6.1030, -28.0170

Conversions

Conversions Part 2

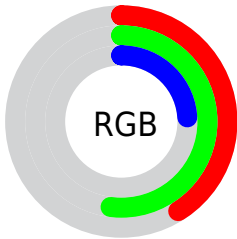
Format	Color
RYB	62, 133, 90
Decimal	6915390
CIELab	52.00, -22.32, 34.69
CIELCh	52, 41.248, 122.756
Yxy	20.1443, 0.3519, 0.4696
Android (android.graphics.Color)	4285105470 (0xFF69853E)
YUV	116.5340, -26.8853, -10.1153
Hunter-Lab	44.8824, -18.5006, 21.3027

Details

The CIELCh color $52, 41.248, 122.756$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $33, 45.475, 308.499$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 40.864, 122.668$, and $32, 41.256, 122.680$ is the 20% darker color. If you saturate the color by 10%, you get $52, 48.070, 122.459$, and if you desaturate by 10%, it is $53, 33.929, 123.176$.

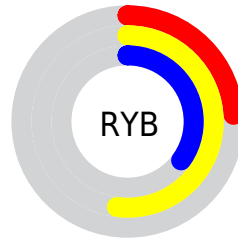
Distribution



Red (41%)

Green (52%)

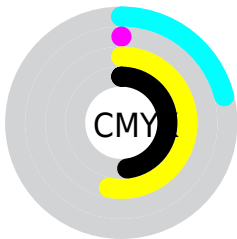
Blue (24%)



Red (24%)

Yellow (52%)

Blue (35%)

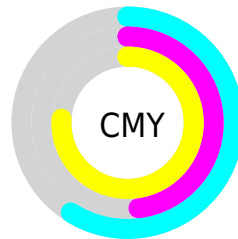


Cyan (21%)

Magenta (0%)

Yellow (53%)

Black (48%)



Cyan (59%)


Magenta (48%)

Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 41.248, 122.756 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, 41.248, 122.756 by changing the saturation by 10% instead.


 52, 41.248,
122.756


 52, 41.248,
122.756


 100, 41.248,
122.756


 42, 41.248,
122.756


 72, 41.248,
122.756

 32, 41.248,
122.756

 82, 41.248,
122.756

 22, 41.248,
122.756

 92, 41.248,
122.756

 12, 41.248,
122.756

 2, 41.248, 122.756

 0, 41.248, 122.756

■ 52, 41.248,
122.756

■ 52, 41.248,
122.756

■ 52, 48.070,
122.459

■ 53, 33.929,
123.176

■ 51, 54.131,
122.363

■ 53, 26.299,
123.655

■ 51, 59.113,
122.576

■ 54, 18.488,
124.158

■ 50, 62.726,
123.200

■ 55, 10.587,
124.661

■ 50, 64.766,
123.676

■ 55, 2.659, 125.162

■ 56, 5.254, 305.586

■ 57, 13.118,
306.022

■ 58, 20.910,
306.420

■ 59, 28.615,
306.785

Harmonies

Complementary

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



52, 41.248, 122.756



33, 45.475, 308.499

Rectangle

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



52, 41.248, 122.756



52, 41.248, 172.756



52, 41.248, 302.756



52, 41.248, 352.756

Sweetspot

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



52, 41.249, 122.758



69, 15.735, 124.511



42, 27.326, 57.237



36, 10.577, 124.425



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



52, 41.249, 122.758



66, 59.980, 122.419



50, 47.419, 137.778



28, 4.454, 124.872



49, 63.687, 123.640



1, 1.069, 125.296

Inverse Universe

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



33, 45.475, 308.499



37, 67.942, 309.277



37, 47.760, 323.547



26, 4.524, 305.735



17, 77.141, 310.081



0, 1.069, 305.295

Previews

White Background



This preview shows how the CIELCh color 52, 41.248, 122.756 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, 41.248, 122.756 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, 41.248, 122.756

Background



This preview shows how black text looks on a background with the CIELCh color 52, 41.248, 122.756.



This preview shows how white text looks on a background with the CIELCh color 52, 41.248, 122.756.

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

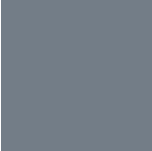
52, 41.248, 122.756

Protanopia

52, 36.977, 95.981

Deuteranopia

52, 34.143, 78.357



Tritanopia
52, 6.853, 257.399

Trichromacy



Original Color
52, 41.248, 122.756

Protanomaly
52, 37.337, 106.799

Deuteranomaly
51, 33.319, 96.272

Tritanomaly
52, 13.546, 139.535

Monochromacy



Original Color
52, 41.248, 122.756

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 15.660, 123.910

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 41.248, 122.756 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(105, 133, 62)` looks like.

```
.text, #text, p{  
    color:rgb(105, 133, 62)  
}
```

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(105, 133, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 133, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 41.248, 122.756 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(105, 133, 62) }
```

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

```
.border{ border-color:rgb(105, 133, 62) }
```

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

Here you see how a box with a 4 pixel rgb(105, 133, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 133, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 133, 62);  
box-shadow:4px 4px 4px 4px rgb(105, 133,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 41.248, 122.756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 133, 62) }
```

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

```
.background{ background-color: rgb(105,  
133, 62) }
```

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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