

Converting Colors

CIELCh(52, 43.363, 112.674)

Have a look what the booklet for
CIELCh(52, 43.363, 112.674)
contains.

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Color

CIELCh(52, 43.076, 112.745)

Conversions

Conversions Part 1

Format	Color
Hex	758234
RGB	117, 130, 52
RGB Percent	46%, 51%, 20%
CMY	0.5394, 0.4885, 0.7945
CMYK	0.10, 0.00, 0.60, 0.49
HSL	70°, 43%, 36%
HSV	70°, 60%, 51%
XYZ	16.0647, 20.1443, 6.3391
YIQ	117.2210, 17.2900, -27.0140

Conversions

Conversions Part 2

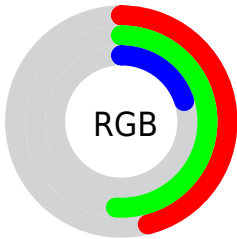
Format	Color
RYB	52, 130, 65
Decimal	7701044
CIELab	52.00, -16.65, 39.73
CIELCh	52, 43.076, 112.745
Yxy	20.1443, 0.3776, 0.4734
Android (android.graphics.Color)	4285891124 (0xFF758234)
YUV	117.2210, -32.1540, -0.1938
Hunter-Lab	44.8824, -14.6539, 23.0436

Details

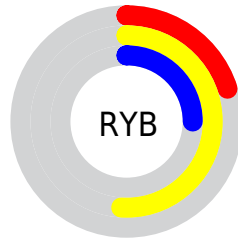
The CIELCh color **52, 43.076, 112.745** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **27, 50.308, 302.867**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 42.984, 112.742**, and **32, 42.967, 113.025** is the 20% darker color. If you saturate the color by 10%, you get **52, 48.931, 112.342**, and if you desaturate by 10%, it is **52, 36.545, 113.296**.

Distribution



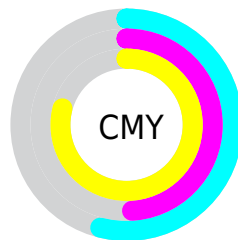
- Red (46%)
- Green (51%)
- Blue (20%)



- Red (20%)
- Yellow (51%)
- Blue (25%)



- Cyan (10%)
- Magenta (0%)
- Yellow (60%)
- Black (49%)





- Cyan (54%)
- Magenta (49%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 43.076, 112.745 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, 43.076, 112.745 by changing the saturation by 10% instead.


 52, 43.076,
112.745


 52, 43.076,
112.745


 100, 43.076,
112.745


 42, 43.076,
112.745


 72, 43.076,
112.745

 32, 43.076,
112.745

 82, 43.076,
112.745

 22, 43.076,
112.745

 92, 43.076,
112.745

 12, 43.076,
112.745

 2, 43.076, 112.745

 0, 43.076, 112.745

■ 52, 43.076,
112.745

■ 52, 43.076,
112.745

■ 52, 48.931,
112.342

■ 52, 36.545,
113.296

■ 51, 53.803,
112.150

■ 53, 29.571,
113.932

■ 51, 57.371,
112.248

■ 53, 22.321,
114.617

■ 51, 59.923,
112.563

■ 54, 14.906,
115.320

■ 51, 59.971,
112.568

■ 54, 7.400, 116.023

■ 55, 0.146, 296.718

■ 55, 7.698, 297.379

■ 56, 15.231,
298.016

■ 56, 22.727,
298.621

Harmonies

Complementary

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



52, 43.076, 112.745



27, 50.308, 302.867

Rectangle

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



52, 43.076, 112.745



52, 43.076, 162.745



52, 43.076, 292.745



52, 43.076, 342.745

Sweetspot

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



52, 43.077, 112.747



68, 16.684, 115.420



35, 34.036, 36.478



35, 11.530, 115.245



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, 43.077, 112.747



65, 61.334, 112.240



50, 48.312, 131.373



28, 4.310, 116.071



51, 59.843, 112.565



1, 1.036, 116.699

Inverse Universe

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



27, 50.308, 302.867



30, 75.319, 304.709



32, 50.839, 316.505



26, 4.396, 297.365



14, 80.069, 307.180



0, 1.037, 296.699

Previews

White Background



This preview shows how the CIELCh color 52, 43.076, 112.745 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, 43.076, 112.745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

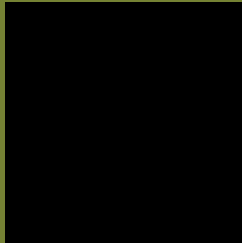
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

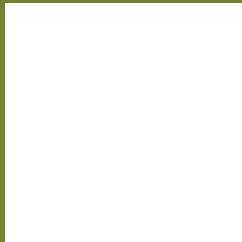
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 43.076, 112.745

Background



This preview shows how black text looks on a background with the CIELCh color 52, 43.076, 112.745.



This preview shows how white text looks on a background with the CIELCh color 52, 43.076, 112.745.

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, 43.076, 112.745

Protanopia

52, 40.997, 95.649

Deuteranopia

52, 39.241, 80.400



Tritanopia
52, 6.046, 305.855

Trichromacy



Original Color
52, 43.076, 112.745

Protanomaly
52, 40.893, 101.639

Deuteranomaly
52, 38.901, 93.333

Tritanomaly
52, 12.721, 112.358

Monochromacy



Original Color
52, 43.076, 112.745

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 16.888, 115.309

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 43.076, 112.745 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(117, 130, 52)` looks like.

```
.text, #text, p{  
    color:rgb(117, 130, 52)  
}
```

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(117, 130, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 130, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 43.076, 112.745 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(117, 130, 52) }
```

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

```
.border{ border-color:rgb(117, 130, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 130, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 130, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 130, 52);  
box-shadow:4px 4px 4px 4px rgb(117, 130,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 43.076, 112.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 130, 52) }
```

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

```
.background{ background-color: rgb(117,  
130, 52) }
```

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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