

Converting Colors

CIELCh(52, 43.202, 113.941)

Have a look what the booklet for
CIELCh(52, 43.202, 113.941)
contains.

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Color

CIELCh(52, 43.202, 113.941)

Conversions

Conversions Part 1

Format	Color
Hex	748335
RGB	116, 131, 53
RGB Percent	45%, 51%, 21%
CMY	0.5458, 0.4869, 0.7928
CMYK	0.11, 0.00, 0.60, 0.49
HSL	72°, 42%, 36%
HSV	72°, 60%, 51%
XYZ	15.9124, 20.1443, 6.3985
YIQ	117.6230, 16.0980, -27.4380

Conversions

Conversions Part 2

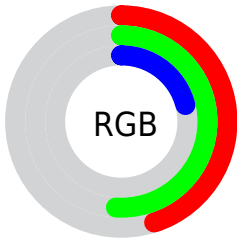
Format	Color
RYB	53, 131, 68
Decimal	7635765
CIELab	52.00, -17.53, 39.49
CIElCh	52, 43.202, 113.941
Yxy	20.1443, 0.3748, 0.4745
Android (android.graphics.Color)	4285825845 (0xFF748335)
YUV	117.6230, -31.8591, -1.4234
Hunter-Lab	44.8824, -15.2598, 22.9653

Details

The CIELCh color $52, 43.202, 113.941$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $28, 50.234, 303.485$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 43.069, 113.853$, and $32, 43.524, 114.180$ is the 20% darker color. If you saturate the color by 10%, you get $52, 49.122, 113.573$, and if you desaturate by 10%, it is $52, 36.613, 114.460$.

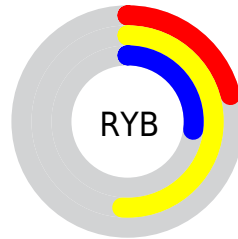
Distribution



Red (45%)

Green (51%)

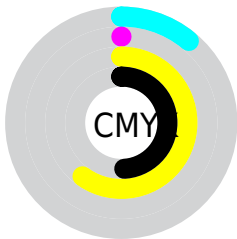
Blue (21%)



Red (21%)

Yellow (51%)

Blue (27%)

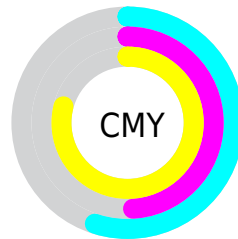


Cyan (11%)

Magenta (0%)

Yellow (60%)

Black (49%)



Cyan (55%)


Magenta (49%)


Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 43.202, 113.941 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, 43.202, 113.941 by changing the saturation by 10% instead.


 52, 43.202,
113.941


 52, 43.202,
113.941


 100, 43.202,
113.941


 42, 43.202,
113.941


 72, 43.202,
113.941

 32, 43.202,
113.941

 82, 43.202,
113.941

 22, 43.202,
113.941

 92, 43.202,
113.941

 12, 43.202,
113.941

 2, 43.202, 113.941

 0, 43.202, 113.941

■ 52, 43.202,
113.941

■ 52, 43.202,
113.941

■ 52, 49.122,
113.573

■ 52, 36.613,
114.460

■ 51, 54.067,
113.425

■ 53, 29.588,
115.067

■ 51, 57.717,
113.582

■ 53, 22.290,
115.722

■ 51, 60.325,
113.972

■ 54, 14.831,
116.396

■ 51, 60.428,
113.986

■ 54, 7.283, 117.069

■ 55, 0.302, 297.705

■ 55, 7.890, 298.360

■ 56, 15.455,
298.965

■ 57, 22.979,
299.538

Harmonies

Complementary

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



52, 43.202, 113.941



28, 50.234, 303.485

Rectangle

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



52, 43.202, 113.941



52, 43.202, 163.941



52, 43.202, 293.941



52, 43.202, 343.941

Sweetspot

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



52, 43.203, 113.943



69, 16.935, 116.477



36, 33.284, 38.992



36, 11.850, 116.305



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, 43.203, 113.943



66, 62.312, 113.482



50, 48.762, 132.347



28, 4.321, 117.101



51, 60.164, 113.980



1, 1.039, 117.700

Inverse Universe

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



28, 50.234, 303.485



30, 76.118, 305.213



32, 50.926, 317.525



26, 4.406, 298.333



15, 79.815, 307.396



0, 1.039, 297.700

Previews

White Background



This preview shows how the CIELCh color 52, 43.202, 113.941 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, 43.202, 113.941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

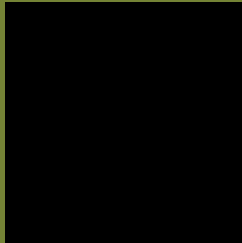
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 43.202, 113.941

Background



This preview shows how black text looks on a background with the CIELCh color 52, 43.202, 113.941.



This preview shows how white text looks on a background with the CIELCh color 52, 43.202, 113.941.

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, 43.202, 113.941

Protanopia

52, 40.997, 95.649

Deuteranopia

52, 38.763, 80.171



Tritanopia
52, 5.302, 299.285

Trichromacy



Original Color
52, 43.202, 113.941

Protanomaly
52, 40.865, 102.295

Deuteranomaly
52, 38.793, 94.014

Tritanomaly
52, 13.364, 115.737

Monochromacy



Original Color
52, 43.202, 113.941

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 16.345, 115.609

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 43.202, 113.941 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, 131, 53)` looks like.

```
.text, #text, p{  
    color:rgb(116, 131, 53)  
}
```

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, 131, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 131, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 43.202, 113.941 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, 131, 53) }
```

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

```
.border{ border-color:rgb(116, 131, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 131, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 131, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 131, 53);  
box-shadow:4px 4px 4px 4px rgb(116, 131,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 43.202, 113.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 131, 53) }
```

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

```
.background{ background-color: rgb(116,  
131, 53) }
```

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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