

Converting Colors

CIELCh(51, 43.091, 113.334)

Have a look what the booklet for
CIELCh(51, 43.091, 113.334)
contains.

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Color

CIELCh(51, 43.185, 113.297)

Conversions

Conversions Part 1

Format	Color
Hex	728032
RGB	114, 128, 50
RGB Percent	45%, 50%, 20%
CMY	0.5527, 0.4978, 0.8037
CMYK	0.11, 0.00, 0.61, 0.50
HSL	71°, 44%, 35%
HSV	71°, 61%, 50%
XYZ	15.2532, 19.2686, 5.9401
YIQ	114.9220, 16.6940, -27.2260

Conversions

Conversions Part 2

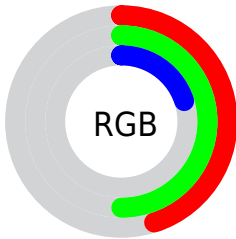
Format	Color
RYB	50, 128, 64
Decimal	7503922
CIELab	51.00, -17.08, 39.66
CIELCh	51, 43.185, 113.297
Yxy	19.2686, 0.3770, 0.4762
Android (android.graphics.Color)	4285694002 (0xFF728032)
YUV	114.9220, -32.0065, -0.8086
Hunter-Lab	43.8960, -14.7918, 22.7040

Details

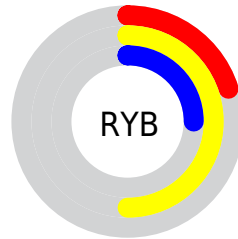
The CIELCh color $51, 43.185, 113.297$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $27, 50.513, 303.315$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $71, 43.102, 113.262$, and $31, 42.381, 113.879$ is the 20% darker color. If you saturate the color by 10%, you get $51, 48.890, 112.932$, and if you desaturate by 10%, it is $51, 36.791, 113.818$.

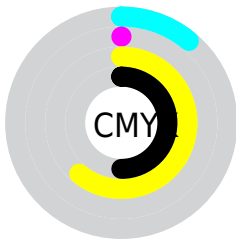
Distribution



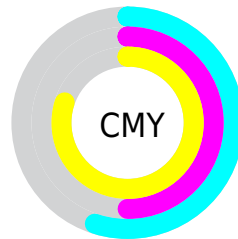
- Red (45%)
- Green (50%)
- Blue (20%)



- Red (20%)
- Yellow (50%)
- Blue (25%)



- Cyan (11%)
- Magenta (0%)
- Yellow (61%)
- Black (50%)





- Cyan (55%)
- Magenta (50%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 43.185, 113.297 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 51, 43.185, 113.297 by changing the saturation by 10% instead.


 51, 43.185,
113.297


 51, 43.185,
113.297


 100, 43.185,
113.297


 41, 43.185,
113.297


 71, 43.185,
113.297

 31, 43.185,
113.297

 81, 43.185,
113.297

 21, 43.185,
113.297

 91, 43.185,
113.297

 11, 43.185,
113.297

 1, 43.185, 113.297

 0, 43.185, 113.297

■ 51, 43.185,
113.297

■ 51, 43.185,
113.297

■ 51, 48.890,
112.932

■ 51, 36.791,
113.818

■ 50, 53.599,
112.791

■ 52, 29.943,
114.431

■ 50, 57.004,
112.953

■ 52, 22.811,
115.095

■ 50, 59.335,
113.264

■ 53, 15.508,
115.781

■ 53, 8.110, 116.469

■ 54, 0.669, 117.147

■ 54, 6.780, 297.794

■ 55, 14.210,
298.418

■ 55, 21.605,
299.009

Harmonies

Complementary

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



51, 43.185, 113.297



27, 50.513, 303.315

Rectangle

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



51, 43.185, 113.297



51, 43.185, 163.297



51, 43.185, 293.297



51, 43.185, 343.297

Sweetspot

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



51, 43.186, 113.299



67, 16.499, 115.953



35, 33.897, 37.822



35, 11.545, 115.780



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 43.186, 113.299



64, 61.316, 112.848



49, 48.611, 131.822



27, 4.176, 116.592



50, 59.144, 113.260



0, 0.000, 0.000

Inverse Universe

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



27, 50.513, 303.315



29, 75.349, 305.067



31, 50.992, 317.043



24, 4.259, 297.846



14, 78.795, 307.298



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 43.185, 113.297 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 51, 43.185, 113.297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

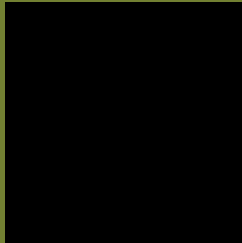
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 43.185, 113.297

Background



This preview shows how black text looks on a background with the CIELCh color 51, 43.185, 113.297.



This preview shows how white text looks on a background with the CIELCh color 51, 43.185, 113.297.

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

51, 43.185, 113.297

Protanopia

51, 41.429, 96.238

Deuteranopia

51, 38.904, 79.999



Tritanopia
51, 5.971, 302.229

Trichromacy



Original Color
51, 43.185, 113.297

Protanomaly
51, 41.357, 102.839

Deuteranomaly
51, 38.501, 93.113

Tritanomaly
51, 12.796, 114.223

Monochromacy



Original Color
51, 43.185, 113.297

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 16.959, 115.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 43.185, 113.297 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(114, 128, 50)` looks like.

```
.text, #text, p{  
    color:rgb(114, 128, 50)  
}
```

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(114, 128, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 128, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 43.185, 113.297 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(114, 128, 50) }
```

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

```
.border{ border-color:rgb(114, 128, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 128, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 128, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 128, 50);  
box-shadow:4px 4px 4px 4px rgb(114, 128,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 43.185, 113.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 128, 50) }
```

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

```
.background{ background-color: rgb(114,  
128, 50) }
```

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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