

Converting Colors

CIELCh(43, 53.736, 116.045)

Have a look what the booklet for
CIELCh(43, 53.736, 116.045)
contains.

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Color

CIELCh(43, 53.517, 115.706)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 556E01 |
| RGB | 85, 110, 1 |
| RGB Percent | 33%, 43%, 0% |
| CMY | 0.6656, 0.5676, 0.9946 |
| CMYK | 0.23, 0.00, 0.99, 0.57 |
| HSL | 74°, 98%, 22% |
| HSV | 74°, 99%, 43% |
| XYZ | 9.3845, 13.1578, 2.0846 |
| YIQ | 90.0990, 20.0890, -39.1990 |

Conversions

Conversions Part 2

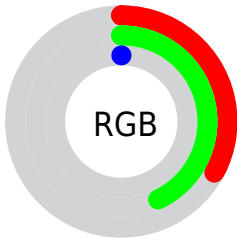
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 1, 110, 26 |
| Decimal | 5598721 |
| CIE Lab | 43.00, -23.21, 48.22 |
| CIE LCh | 43, 53.517, 115.706 |
| Yxy | 13.1578, 0.3811, 0.5343 |
| Android (android.graphics.Color) | 4283788801 (0xFF556E01) |
| YUV | 90.0990, -43.9258, -4.4718 |
| Hunter-Lab | 36.2736, -17.2983, 21.9842 |

Details

The CIELCh color **43, 53.517, 115.706** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **12, 69.672, 307.768**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 53.698, 115.833**, and **23, 37.685, 124.889** is the 20% darker color. If you saturate the color by 10%, you get **43, 53.875, 115.742**, and if you desaturate by 10%, it is **43, 50.769, 115.358**.

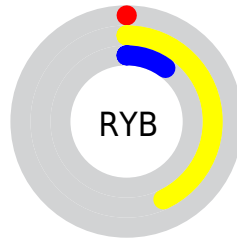
Distribution



Red (33%)

Green (43%)

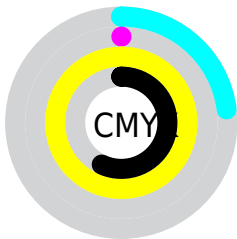
Blue (0%)



Red (0%)

Yellow (43%)

Blue (10%)

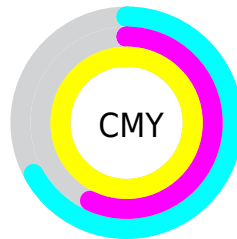


Cyan (23%)

Magenta (0%)

Yellow (99%)

Black (57%)



Cyan (67%)


Magenta (57%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 53.517, 115.706 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 43, 53.517, 115.706 by changing the saturation by 10% instead.


 43, 53.517,
115.706


 43, 53.517,
115.706


 100, 53.517,
115.706


 33, 53.517,
115.706

 63, 53.517,
115.706


 23, 53.517,
115.706


 73, 53.517,
115.706

 13, 53.517,
115.706

 83, 53.517,
115.706

 3, 53.517, 115.706

 93, 53.517,
115.706

 0, 53.517, 115.706

 43, 53.517,

 43, 53.517,

115.706

■ 43, 53.875,
115.742

115.706

■ 43, 50.769,
115.358

■ 43, 47.248,
115.206

■ 44, 42.686,
115.347

■ 44, 37.358,
115.697

■ 44, 31.506,
116.183

■ 45, 25.314,
116.749

■ 45, 18.910,
117.357

■ 46, 12.380,
117.981

Harmonies

Complementary

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



43, 53.517, 115.706



12, 69.672, 307.768

Rectangle

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



43, 53.517, 115.706



43, 53.517, 165.706



43, 53.517, 295.706



43, 53.517, 345.706

Sweetspot

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



43, 53.517, 115.708



58, 24.366, 117.231



24, 50.061, 43.453



29, 16.476, 117.040



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



43, 53.517, 115.708



55, 64.981, 116.051



40, 61.559, 132.862



23, 3.772, 118.584



47, 57.200, 115.848



91, 98.009, 116.520

Inverse Universe

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



12, 69.672, 307.768



17, 85.066, 307.684



19, 63.770, 318.339



21, 3.843, 299.696



13, 74.809, 307.821



33, 128.539, 307.394

Previews

White Background



This preview shows how the CIELCh color 43, 53.517, 115.706 looks on a white 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

Black Background



This preview shows how the CIELCh color 43, 53.517, 115.706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

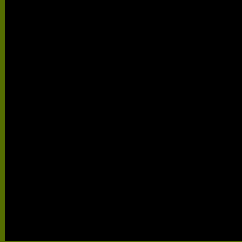
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 53.517, 115.706

Background



This preview shows how black text looks on a background with the CIELCh color 43, 53.517, 115.706.



This preview shows how white text looks on a background with the CIELCh color 43, 53.517, 115.706.

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
43, 53.517, 115.706

Protanopia
43, 49.837, 95.931

Deuteranopia
43, 45.029, 82.756



Tritanopia
43, 6.016, 263.790

Trichromacy



Original Color
43, 53.517, 115.706

Protanomaly
43, 50.227, 103.449

Deuteranomaly
42, 46.186, 96.489

Tritanomaly
42, 21.112, 124.406

Monochromacy



Original Color
43, 53.517, 115.706

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 23.620, 116.752

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 53.517, 115.706 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(85, 110, 1)` looks like.

```
.text, #text, p{  
    color:rgb(85, 110, 1)  
}
```

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(85, 110, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 110, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 53.517, 115.706 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(85, 110, 1) }
```

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

```
.border{ border-color:rgb(85, 110, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 110, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 110, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 110, 1);  
box-shadow:4px 4px 4px 4px rgb(85, 110, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 53.517, 115.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 110, 1) }
```

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

```
.background{ background-color: rgb(85, 110,  
1) }
```

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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