

Converting Colors

CIELCh(43, 52.104, 138.607)

Have a look what the booklet for
CIELCh(43, 52.104, 138.607)
contains.

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Color

CIELCh(43, 51.943, 138.531)

Conversions

Conversions Part 1

Format	Color
Hex	2A7428
RGB	42, 116, 40
RGB Percent	16%, 45%, 16%
CMY	0.8349, 0.5448, 0.8428
CMYK	0.64, 0.00, 0.65, 0.54
HSL	118°, 49%, 31%
HSV	118°, 65%, 46%
XYZ	7.5980, 13.1578, 4.1537
YIQ	85.2100, -19.7080, -39.3240

Conversions

Conversions Part 2

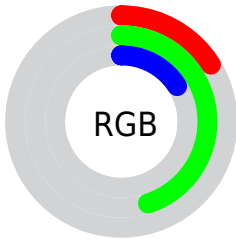
Format	Color
R_{YB}	40, 116, 114
Decimal	2782248
CIE _{Lab}	43.00, -38.92, 34.40
CIE _{LCh}	43, 51.943, 138.531
Yxy	13.1578, 0.3050, 0.5282
Android (android.graphics.Color)	4280972328 (0xFF2A7428)
YUV	85.2100, -22.2885, -37.8952
Hunter-Lab	36.2736, -26.0898, 18.6023




Details

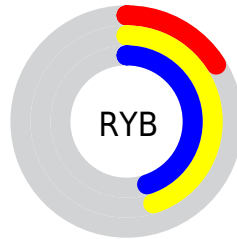
The CIELCh color **43, 51.943, 138.531** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **30, 51.465, 326.694**, and the grayscale version is **36, 0.005, 296.813**.




A 20% lighter version of the original color is **63, 51.765, 138.570**, and **24, 45.498, 136.491** is the 20% darker color. If you saturate the color by 10%, you get **43, 57.807, 137.562**, and if you desaturate by 10%, it is **44, 45.089, 139.541**.

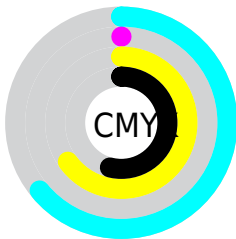
Distribution







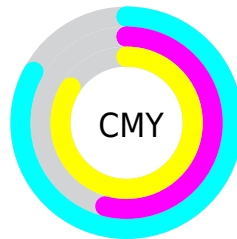
-  Red (16%)
-  Green (45%)
-  Blue (16%)






-  Red (16%)
-  Yellow (45%)
-  Blue (45%)



-  Cyan (64%)
-  Magenta (0%)
-  Yellow (65%)
-  Black (54%)





-  Cyan (83%)
-  Magenta (54%)
-  Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 51.943, 138.531 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, 51.943, 138.531 by changing the saturation by 10% instead.


 43, 51.943,
138.531


 43, 51.943,
138.531


 100, 51.943,
138.531


 33, 51.943,
138.531

 63, 51.943,
138.531


 23, 51.943,
138.531

 73, 51.943,
138.531

 13, 51.943,
138.531

 83, 51.943,
138.531

 3, 51.943, 138.531

 93, 51.943,
138.531

 0, 51.943, 138.531

 43, 51.943,

 43, 51.943,

138.531

■ 43, 57.807,
137.562

■ 42, 62.368,
136.747

■ 42, 65.498,
136.138

■ 42, 66.811,
135.825

138.531

■ 44, 45.089,
139.541

■ 44, 37.534,
140.511

■ 45, 29.522,
141.399

■ 46, 21.253,
142.187

■ 47, 12.881,
142.875

■ 48, 4.527, 143.487

■ 49, 3.723, 323.907

■ 51, 11.808,
324.367

■ 52, 19.689,
324.738

Harmonies

Complementary

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



43, 51.943, 138.531



30, 51.465, 326.694

Rectangle

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



43, 51.943, 138.531



43, 51.943, 188.531



43, 51.943, 318.531



43, 51.943, 8.531

Sweetspot

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



43, 51.943, 138.532



59, 20.624, 142.541



47, 40.779, 102.818



31, 14.186, 142.385



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



43, 51.943, 138.532



54, 72.984, 137.085



43, 36.952, 154.851



24, 4.709, 143.273



44, 69.404, 135.836



86, 117.836, 135.941

Inverse Universe

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



30, 51.465, 326.694



37, 71.525, 327.059



29, 38.437, 348.938



23, 4.718, 324.168



28, 67.208, 327.224



58, 113.952, 327.168

Previews

White Background



This preview shows how the CIELCh color 43, 51.943, 138.531 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 CIE LCh color 43, 51.943, 138.531 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, 51.943, 138.531

Background



This preview shows how black text looks on a background with the CIELCh color 43, 51.943, 138.531.



This preview shows how white text looks on a background with the CIELCh color 43, 51.943, 138.531.

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, 51.943, 138.531

Protanopia

43, 37.476, 95.557

Deuteranopia

43, 33.047, 80.059



Tritanopia
43, 16.916, 214.339

Trichromacy



Original Color
43, 51.943, 138.531

Protanomaly
42, 39.871, 117.500

Deuteranomaly
42, 34.142, 111.530

Tritanomaly
43, 25.973, 164.305

Monochromacy



Original Color
43, 51.943, 138.531

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 20.238, 142.674

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 51.943, 138.531 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(42, 116, 40)` looks like.

```
.text, #text, p{  
    color:rgb(42, 116, 40)  
}
```

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(42, 116, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 116, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 51.943, 138.531 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(42, 116, 40) }
```

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

```
.border{ border-color:rgb(42, 116, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 116, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 116, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 116, 40);  
box-shadow:4px 4px 4px 4px rgb(42, 116,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 51.943, 138.531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 116, 40) }
```

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

```
.background{ background-color: rgb(42, 116,  
40) }
```

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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