

Converting Colors

CIELCh(43, 47.710, 142.637)

Have a look what the booklet for
CIELCh(43, 47.710, 142.637)
contains.

CIELCh(43, 47.695, 142.704)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(43, 47.695, 142.704)

Conversions

Conversions Part 1

Format	Color
Hex	287433
RGB	40, 116, 51
RGB Percent	16%, 45%, 20%
CMY	0.8435, 0.5454, 0.8003
CMYK	0.66, 0.00, 0.56, 0.55
HSL	129°, 49%, 31%
HSV	129°, 66%, 45%
XYZ	7.7021, 13.1578, 5.2565
YIQ	85.8660, -24.4310, -36.3270

Conversions

Conversions Part 2

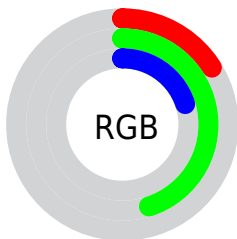
Format	Color
R_{YB}	40, 106, 116
Decimal	2651187
CIE _{Lab}	43.00, -37.94, 28.90
CIE _{LCh}	43, 47.695, 142.704
Yxy	13.1578, 0.2949, 0.5038
Android (android.graphics.Color)	4280841267 (0xFF287433)
YUV	85.8660, -17.1889, -40.2245
Hunter-Lab	36.2736, -25.5774, 16.7997

Details

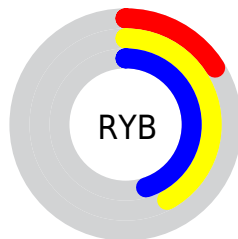
The CIELCh color $43, 47.695, 142.704$ is a dark color, and the websafe version is hex `006633`. A complement of this color would be $30, 46.847, 332.540$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $63, 47.797, 142.507$, and $24, 44.132, 137.661$ is the 20% darker color. If you saturate the color by 10%, you get $43, 53.428, 141.335$, and if you desaturate by 10%, it is $44, 41.259, 143.969$.

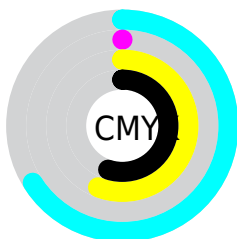
Distribution



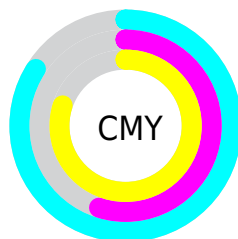
- Red (16%)
- Green (45%)
- Blue (20%)



- Red (16%)
- Yellow (42%)
- Blue (45%)



- Cyan (66%)
- Magenta (0%)
- Yellow (56%)
- Black (55%)





- Cyan (84%)
- Magenta (55%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 47.695, 142.704 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, 47.695, 142.704 by changing the saturation by 10% instead.


 43, 47.695,
142.704


 43, 47.695,
142.704


 100, 47.695,
142.704


 33, 47.695,
142.704

 63, 47.695,
142.704


 23, 47.695,
142.704

 73, 47.695,
142.704

 13, 47.695,
142.704

 83, 47.695,
142.704

 3, 47.695, 142.704

 93, 47.695,
142.704

 0, 47.695, 142.704

 43, 47.695,

 43, 47.695,

142.704

142.704

■ 43, 53.428,
141.335

■ 44, 41.259,
143.969

■ 42, 58.279,
139.917

■ 44, 34.295,
145.103

■ 42, 62.125,
138.582

■ 45, 26.970,
146.101

■ 42, 63.563,
138.147

■ 46, 19.434,
146.971

■ 47, 11.811,
147.728

■ 48, 4.203, 148.405

■ 49, 3.314, 328.859

■ 51, 10.684,
329.385

■ 52, 17.870,
329.815

Harmonies

Complementary

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



43, 47.695, 142.704



30, 46.847, 332.540

Rectangle

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



43, 47.695, 142.704



43, 47.695, 192.704



43, 47.695, 322.704



43, 47.695, 12.704

Sweetspot

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



43, 47.695, 142.704



59, 18.804, 147.368



47, 42.183, 110.952



31, 12.934, 147.197



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, 47.695, 142.704



55, 67.839, 140.566



44, 31.695, 164.181



24, 4.294, 148.173



44, 66.231, 138.057



86, 114.361, 137.294

Inverse Universe

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



30, 46.847, 332.540



36, 64.781, 333.474



28, 36.091, 0.577



23, 4.304, 329.163



27, 60.164, 334.719



57, 101.394, 335.139

Previews

White Background



This preview shows how the CIELCh color 43, 47.695, 142.704 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, 47.695, 142.704 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, 47.695, 142.704

Background



This preview shows how black text looks on a background with the CIELCh color 43, 47.695, 142.704.



This preview shows how white text looks on a background with the CIELCh color 43, 47.695, 142.704.

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, 47.695, 142.704

Protanopia

43, 32.409, 95.890

Deuteranopia

43, 27.455, 78.119



Tritanopia
43, 17.498, 215.825

Trichromacy



Original Color
43, 47.695, 142.704

Protanomaly
42, 34.693, 120.777

Deuteranomaly
42, 29.019, 115.162

Tritanomaly
43, 24.623, 170.445

Monochromacy



Original Color
43, 47.695, 142.704

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 18.966, 146.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 47.695, 142.704 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(40, 116, 51)` looks like.

```
.text, #text, p{  
    color:rgb(40, 116, 51)  
}
```

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(40, 116, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 116, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 47.695, 142.704 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(40, 116, 51) }
```

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

```
.border{ border-color:rgb(40, 116, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 116, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 116, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 116, 51);  
box-shadow:4px 4px 4px 4px rgb(40, 116,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 47.695, 142.704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 116, 51) }
```

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

```
.background{ background-color: rgb(40, 116,  
51) }
```

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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