

Converting Colors

CIELCh(44, 50.887, 91.507)

Have a look what the booklet for
CIELCh(44, 50.887, 91.507) contains.

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Color

CIELCh(44, 50.887, 91.507)

Conversions

Conversions Part 1

Format	Color
Hex	7B6700
RGB	123, 103, 0
RGB Percent	48%, 40%, 0%
CMY	0.5188, 0.5971, 1.0000
CMYK	0.00, 0.16, 1.00, 0.52
HSL	50°, 100%, 24%
HSV	50°, 100%, 48%
XYZ	12.9497, 13.8382, 1.9784
YIQ	97.2380, 44.9830, -27.7930

Conversions

Conversions Part 2

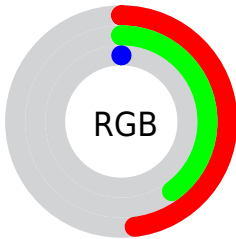
Format	Color
R_{YB}	24, 123, 0
Decimal	8087296
CIE Lab	44.00, -1.34, 50.87
CIE LCh	44, 50.887, 91.507
Yxy	13.8382, 0.4502, 0.4811
Android (android.graphics.Color)	4286277376 (0xFF7B6700)
YUV	97.2380, -47.9383, 22.5933
Hunter-Lab	37.1997, -2.9616, 22.8867

Details

The CIELCh color **44, 50.887, 91.507** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **15, 68.724, 302.711**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 51.086, 91.754**, and **24, 33.427, 90.745** is the 20% darker color. If you saturate the color by 10%, you get **44, 50.799, 91.503**, and if you desaturate by 10%, it is **45, 48.375, 92.614**.

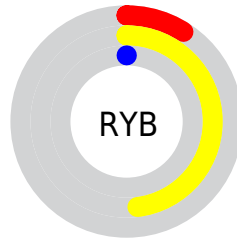
Distribution



Red (48%)

Green (40%)

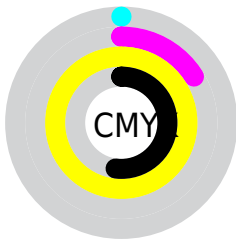
Blue (0%)



Red (9%)

Yellow (48%)

Blue (0%)

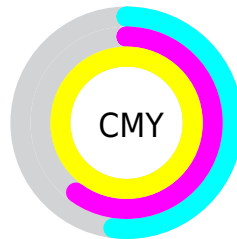


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (52%)



Cyan (52%)

Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 50.887, 91.507 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 44, 50.887, 91.507 by changing the saturation by 10% instead.

■ 44, 50.887, 91.507 ■ 44, 50.887, 91.507

■ 100, 50.887, 91.507 ■ 34, 50.887, 91.507

■ 64, 50.887, 91.507 ■ 24, 50.887, 91.507

■ 74, 50.887, 91.507 ■ 14, 50.887, 91.507

■ 84, 50.887, 91.507 ■ 4, 50.887, 91.507

■ 94, 50.887, 91.507 ■ 0, 50.887, 91.507

■ 44, 50.887, 91.507 ■ 44, 50.887, 91.507

■ 44, 50.799, 91.503 ■ 45, 48.375, 92.614

■ 45, 45.139, 93.731

■ 46, 40.754, 94.841

■ 47, 35.603, 95.957

■ 47, 29.989, 97.080

■ 48, 24.119, 98.204

■ 49, 18.121, 99.320

■ 50, 12.073,
100.420

■ 51, 6.021, 101.491

Harmonies

Complementary

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



44, 50.887, 91.507



15, 68.724, 302.711

Rectangle

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



44, 50.887, 91.507



44, 50.887, 141.507



44, 50.887, 271.507



44, 50.887, 321.507

Sweetspot

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



44, 50.799, 91.503



63, 22.589, 99.238



24, 54.244, 29.798



32, 15.526, 98.850



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



44, 50.799, 91.503



57, 61.663, 91.182



47, 59.883, 120.918



25, 3.383, 101.589



45, 51.456, 91.479



86, 86.228, 90.780

Inverse Universe

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



15, 68.724, 302.711



21, 85.295, 303.309



15, 74.800, 309.133



24, 3.428, 283.573



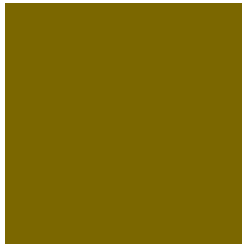
15, 69.731, 302.757



35, 122.301, 303.968

Previews

White Background



This preview shows how the CIELCh color 44, 50.887, 91.507 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 44, 50.887, 91.507 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 44, 50.887, 91.507

Background



This preview shows how black text looks on a background with the CIELCh color 44, 50.887, 91.507.

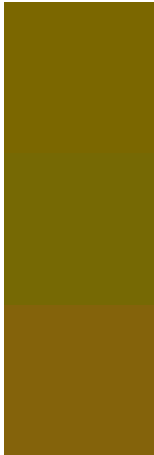


This preview shows how white text looks on a background with the CIELCh color 44, 50.887, 91.507.

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

44, 50.887, 91.507

Protanopia

44, 49.945, 95.546

Deuteranopia

44, 48.917, 83.448



Tritanopia
44, 14.761, 2.712

Trichromacy



Original Color
44, 50.887, 91.507

Protanomaly
44, 50.084, 93.784

Deuteranomaly
44, 49.454, 85.978

Tritanomaly
44, 23.527, 73.013

Monochromacy



Original Color
44, 50.887, 91.507

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 22.259, 98.323

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 50.887, 91.507 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(123, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(123, 103, 0)  
}
```

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(123, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 103, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 50.887, 91.507 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(123, 103, 0) }
```

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

```
.border{ border-color:rgb(123, 103, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 103, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(123, 103,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 50.887, 91.507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 103, 0) }
```

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

```
.background{ background-color: rgb(123,  
103, 0) }
```

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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