

# Converting Colors

CIELCh(44, 47.574, 114.039)

Have a look what the booklet for  
CIELCh(44, 47.574, 114.039)  
contains.

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**Color**

**CIELCh(44, 47.491, 114.017)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5D6F17
RGB	93, 111, 23
RGB Percent	36%, 44%, 9%
CMY	0.6341, 0.5636, 0.9085
CMYK	0.16, 0.00, 0.79, 0.56
HSL	72°, 65%, 26%
HSV	72°, 79%, 44%
XYZ	10.4186, 13.8382, 2.9500
YIQ	95.5860, 17.5200, -31.1840

# Conversions

## Conversions Part 2

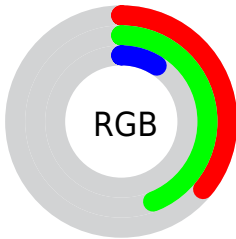
<b>Format</b>	<b>Color</b>
<b>RYB</b>	23, 111, 41
Decimal	6123287
CIELab	44.00, -19.33, 43.38
CIELCh	44, 47.491, 114.017
Yxy	13.8382, 0.3829, 0.5086
Android (android.graphics.Color)	4284313367 (0xFF5D6F17)
YUV	95.5860, -35.7849, -2.2679
Hunter-Lab	37.1997, -15.1066, 21.3381

# Details

The CIELCh color **44, 47.491, 114.017** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **17, 58.677, 305.884**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 47.734, 114.070**, and **24, 36.636, 118.636** is the 20% darker color. If you saturate the color by 10%, you get **44, 50.952, 114.133**, and if you desaturate by 10%, it is **44, 42.967, 114.190**.

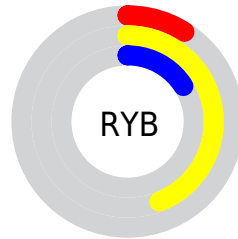
# Distribution



Red (36%)

Green (44%)

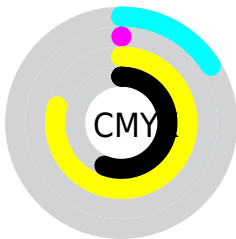
Blue (9%)



Red (9%)

Yellow (44%)

Blue (16%)

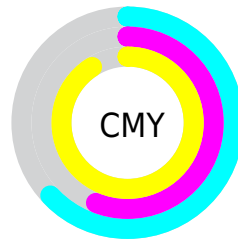


Cyan (16%)

Magenta (0%)

Yellow (79%)

Black (56%)



Cyan (63%)

Magenta (56%)

Yellow (91%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 47.491, 114.017 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, 47.491, 114.017 by changing the saturation by 10% instead.





 44, 47.491,  
114.017


 44, 47.491,  
114.017


 100, 47.491,  
114.017


 34, 47.491,  
114.017

 64, 47.491,  
114.017


 24, 47.491,  
114.017

 74, 47.491,  
114.017

 14, 47.491,  
114.017

 84, 47.491,  
114.017

 4, 47.491, 114.017

 94, 47.491,  
114.017

 0, 47.491, 114.017

 44, 47.491,

 44, 47.491,

114.017

■ 44, 50.952,  
114.133

■ 44, 53.647,  
114.434

■ 44, 53.918,  
114.456

114.017

■ 44, 42.967,  
114.190

■ 45, 37.654,  
114.566

■ 45, 31.803,  
115.076

■ 45, 25.600,  
115.668

■ 46, 19.178,  
116.302

■ 46, 12.625,  
116.952

■ 47, 6.002, 117.599

■ 47, 0.649, 298.216



# Harmonies

# Complementary

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



44, 47.491, 114.017



17, 58.677, 305.884

# Rectangle

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



44, 47.491, 114.017



44, 47.491, 164.017



44, 47.491, 294.017



44, 47.491, 344.017

# Sweetspot

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



44, 47.491, 114.019



59, 19.774, 116.586



27, 40.447, 41.856



30, 13.673, 116.404



81, 0.010, 296.813



31, 0.005, 296.813





# Same Dimension

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



44, 47.491, 114.019



56, 64.157, 114.499



41, 54.166, 132.271



23, 3.762, 117.601



47, 56.865, 114.543



91, 97.378, 115.158



# Inverse Universe

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



17, 58.677, 305.884



18, 83.720, 307.142



23, 56.595, 318.254



21, 3.833, 298.767



13, 75.075, 307.569



33, 128.951, 307.177



# Previews

## White Background



This preview shows how the CIELCh color 44, 47.491, 114.017 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, 47.491, 114.017 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

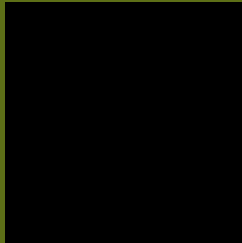
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 44, 47.491, 114.017**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 44, 47.491, 114.017.



This preview shows how white text looks on a background with the CIELCh color 44, 47.491, 114.017.

# 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, 47.491, 114.017


### Protanopia

44, 45.029, 95.414

### Deuteranopia

44, 42.183, 82.798





**Tritanopia**  
44, 4.845, 281.426

# Trichromacy



**Original Color**  
44, 47.491, 114.017

**Protanomaly**  
44, 45.358, 103.023

**Deuteranomaly**  
44, 42.068, 94.572

**Tritanomaly**  
44, 16.384, 120.278

# Monochromacy



**Original Color**  
44, 47.491, 114.017

**Achromatopsia**  
41, 0.006, 296.813

**Achromatomaly**  
42, 19.300, 116.765

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 47.491, 114.017 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(93, 111, 23)` looks like.

```
.text, #text, p{  
    color:rgb(93, 111, 23)  
}
```

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(93, 111, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 111, 23) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 47.491, 114.017 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(93, 111, 23) }
```

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

```
.border{ border-color:rgb(93, 111, 23) }
```

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

Here you see how a box with a 4 pixel rgb(93, 111, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 111, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 111, 23);  
box-shadow:4px 4px 4px 4px rgb(93, 111,  
23) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 47.491, 114.017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 111, 23) }
```

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

```
.background{ background-color: rgb(93, 111,  
23) }
```

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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