

Converting Colors

CIELCh(44, 46.778, 146.180)

Have a look what the booklet for
CIELCh(44, 46.778, 146.180)
contains.

CIELCh(44, 47.012, 145.883)	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(44, 47.012, 145.883)

Conversions

Conversions Part 1

Format	Color
Hex	24773A
RGB	36, 119, 58
RGB Percent	14%, 47%, 23%
CMY	0.8595, 0.5338, 0.7730
CMYK	0.70, 0.00, 0.51, 0.53
HSL	136°, 54%, 30%
HSV	136°, 70%, 47%
XYZ	8.0634, 13.8382, 6.2330
YIQ	87.2290, -29.8870, -36.5670

Conversions

Conversions Part 2

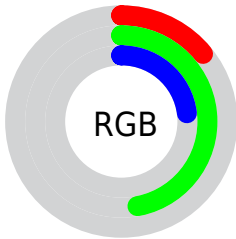
Format	Color
RYB	36, 102, 119
Decimal	2389818
CIELab	44.00, -38.92, 26.37
CIElCh	44, 47.012, 145.883
Yxy	13.8382, 0.2866, 0.4919
Android (android.graphics.Color)	4280579898 (0xFF24773A)
YUV	87.2290, -14.4099, -44.9278
Hunter-Lab	37.1997, -26.4081, 16.1055

Details

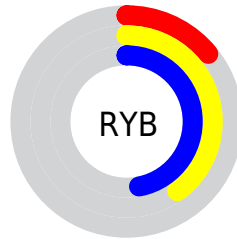
The CIELCh color $44, 47.012, 145.883$ is a dark color, and the websafe version is hex 006633 . A complement of this color would be $29, 46.185, 338.172$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $64, 47.163, 145.750$, and $25, 42.481, 140.038$ is the 20% darker color. If you saturate the color by 10%, you get $44, 52.221, 144.288$, and if you desaturate by 10%, it is $44, 41.180, 147.324$.

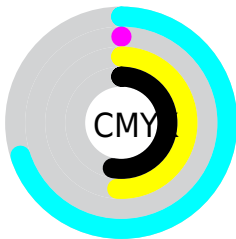
Distribution



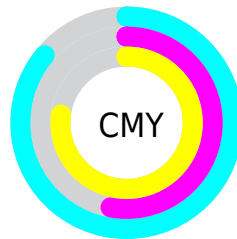
- Red (14%)
- Green (47%)
- Blue (23%)



- Red (14%)
- Yellow (40%)
- Blue (47%)



- Cyan (70%)
- Magenta (0%)
- Yellow (51%)
- Black (53%)




- Cyan (86%)
- Magenta (53%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 47.012, 145.883 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, 47.012, 145.883 by changing the saturation by 10% instead.

 44, 47.012,
145.883

 44, 47.012,
145.883

 100, 47.012,
145.883

 34, 47.012,
145.883

 64, 47.012,
145.883

 24, 47.012,
145.883

 74, 47.012,
145.883

 14, 47.012,
145.883

 84, 47.012,
145.883

 4, 47.012, 145.883

 94, 47.012,
145.883

 0, 47.012, 145.883

 44, 47.012,

 44, 47.012,

145.883

145.883

■ 44, 52.221,
144.288

■ 44, 41.180,
147.324

■ 43, 56.706,
142.571

■ 45, 34.844,
148.602

■ 43, 60.556,
140.959

■ 46, 28.134,
149.724

■ 43, 60.610,
140.939

■ 47, 21.177,
150.703

■ 48, 14.089,
151.559

■ 49, 6.967, 152.318

■ 50, 0.109, 330.884

■ 51, 7.080, 333.478

■ 53, 13.902,

Harmonies

Complementary

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



44, 47.012, 145.883



29, 46.185, 338.172

Rectangle

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



44, 47.012, 145.883



44, 47.012, 195.883



44, 47.012, 325.883



44, 47.012, 15.883

Sweetspot

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



44, 47.012, 145.883



61, 18.578, 151.423



47, 46.077, 116.238



32, 12.674, 151.240



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



44, 47.012, 145.883



56, 67.002, 143.219



45, 30.340, 171.935



24, 3.935, 152.378



44, 61.987, 140.875



86, 107.794, 139.784

Inverse Universe

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



29, 46.185, 338.172



36, 62.967, 339.938



28, 38.471, 10.824



23, 3.951, 333.459



26, 55.203, 341.784



56, 92.687, 342.763

Previews

White Background



This preview shows how the CIELCh color 44, 47.012, 145.883 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 44, 47.012, 145.883 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, 47.012, 145.883

Background



This preview shows how black text looks on a background with the CIELCh color 44, 47.012, 145.883.



This preview shows how white text looks on a background with the CIELCh color 44, 47.012, 145.883.

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, 47.012, 145.883

Protanopia

44, 30.100, 96.655

Deuteranopia

44, 24.978, 77.271



Tritanopia
44, 18.972, 214.169

Trichromacy



Original Color
44, 47.012, 145.883

Protanomaly
43, 32.975, 124.163

Deuteranomaly
43, 27.021, 119.038

Tritanomaly
44, 25.124, 174.019

Monochromacy



Original Color
44, 47.012, 145.883

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 19.213, 150.356

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 47.012, 145.883 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(36, 119, 58)` looks like.

```
.text, #text, p{  
    color:rgb(36, 119, 58)  
}
```

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(36, 119, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 119, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 47.012, 145.883 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(36, 119, 58) }
```

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

```
.border{ border-color:rgb(36, 119, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 119, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 119, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 119, 58);  
box-shadow:4px 4px 4px 4px rgb(36, 119,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 47.012, 145.883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 119, 58) }
```

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

```
.background{ background-color: rgb(36, 119,  
58) }
```

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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