

Converting Colors

CIELCh(44, 45.043, 117.906)

Have a look what the booklet for
CIELCh(44, 45.043, 117.906)
contains.

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Color

CIELCh(44, 45.054, 117.891)

Conversions

Conversions Part 1

Format	Color
Hex	597020
RGB	89, 112, 32
RGB Percent	35%, 44%, 13%
CMY	0.6507, 0.5605, 0.8742
CMYK	0.21, 0.00, 0.71, 0.56
HSL	77°, 55%, 28%
HSV	77°, 71%, 44%
XYZ	10.1921, 13.8382, 3.5060
YIQ	96.0030, 11.9720, -29.7560

Conversions

Conversions Part 2

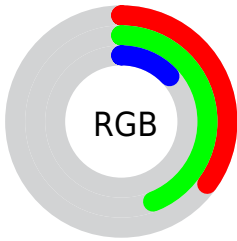
Format	Color
R_{YB}	32, 112, 55
Decimal	5861408
CIE Lab	44.00, -21.08, 39.82
CIE LCh	44, 45.054, 117.891
Yxy	13.8382, 0.3701, 0.5025
Android (android.graphics.Color)	4284051488 (0xFF597020)
YUV	96.0030, -31.5535, -6.1416
Hunter-Lab	37.1997, -16.1934, 20.4519

Details

The CIELCh color **44, 45.054, 117.891** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **20, 53.160, 306.911**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 45.394, 118.038**, and **24, 37.670, 121.152** is the 20% darker color. If you saturate the color by 10%, you get **44, 49.515, 117.904**, and if you desaturate by 10%, it is **44, 39.750, 118.129**.

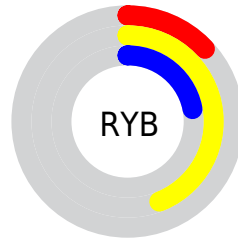
Distribution



Red (35%)

Green (44%)

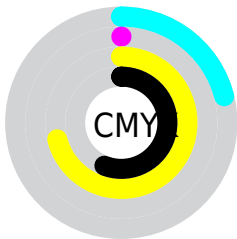
Blue (13%)



Red (13%)

Yellow (44%)

Blue (22%)

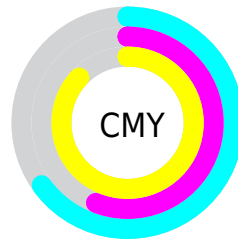


Cyan (21%)

Magenta (0%)

Yellow (71%)

Black (56%)



Cyan (65%)


Magenta (56%)


Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 45.054, 117.891 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, 45.054, 117.891 by changing the saturation by 10% instead.


 44, 45.054,
117.891


 44, 45.054,
117.891


 100, 45.054,
117.891


 34, 45.054,
117.891

 64, 45.054,
117.891


 24, 45.054,
117.891

 74, 45.054,
117.891

 14, 45.054,
117.891

 84, 45.054,
117.891

 4, 45.054, 117.891

 94, 45.054,
117.891

 0, 45.054, 117.891

 44, 45.054,

 44, 45.054,

117.891

117.891

■ 44, 49.515,
117.904

■ 44, 39.750,
118.129

■ 43, 52.861,
118.258

■ 45, 33.860,
118.528

■ 43, 55.338,
118.644

■ 45, 27.587,
119.024

■ 46, 21.073,
119.572

■ 46, 14.416,
120.140

■ 47, 7.685, 120.709

■ 47, 0.925, 121.288

■ 48, 5.832, 301.781

■ 48, 12.560,

Harmonies

Complementary

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



44, 45.054, 117.891



20, 53.160, 306.911

Rectangle

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



44, 45.054, 117.891



44, 45.054, 167.891



44, 45.054, 297.891



44, 45.054, 347.891

Sweetspot

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



44, 45.054, 117.893



59, 17.525, 120.130



30, 34.512, 47.450



30, 11.946, 120.011



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, 45.054, 117.893



56, 62.648, 118.105



42, 51.602, 134.431



23, 3.802, 120.842



46, 58.082, 118.744



90, 99.662, 119.526

Inverse Universe

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



20, 53.160, 306.911



22, 77.533, 308.010



26, 52.745, 320.812



21, 3.869, 301.842



14, 74.124, 308.509



34, 127.430, 308.011

Previews

White Background



This preview shows how the CIELCh color 44, 45.054, 117.891 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, 45.054, 117.891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

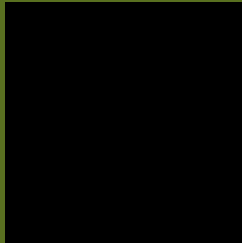
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 44, 45.054, 117.891

Background



This preview shows how black text looks on a background with the CIELCh color 44, 45.054, 117.891.



This preview shows how white text looks on a background with the CIELCh color 44, 45.054, 117.891.

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

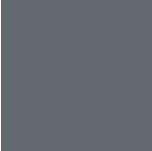
44, 45.054, 117.891

Protanopia

44, 41.489, 95.951

Deuteranopia

44, 39.130, 81.672



Tritanopia
44, 5.468, 260.695

Trichromacy



Original Color
44, 45.054, 117.891

Protanomaly
44, 41.872, 104.791

Deuteranomaly
44, 39.212, 96.559

Tritanomaly
44, 15.339, 129.577

Monochromacy



Original Color
44, 45.054, 117.891

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 17.768, 120.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 45.054, 117.891 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(89, 112, 32)` looks like.

```
.text, #text, p{  
    color:rgb(89, 112, 32)  
}
```

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(89, 112, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 112, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 45.054, 117.891 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(89, 112, 32) }
```

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

```
.border{ border-color:rgb(89, 112, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 112, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 112, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 112, 32);  
box-shadow:4px 4px 4px 4px rgb(89, 112,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 45.054, 117.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 112, 32) }
```

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

```
.background{ background-color: rgb(89, 112,  
32) }
```

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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