

Converting Colors

CIELCh(45, 18.700, 87.613)

Have a look what the booklet for
CIELCh(45, 18.700, 87.613) contains.

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Color

CIELCh(45, 18.933, 87.778)

Conversions

Conversions Part 1

Format	Color
Hex	77694B
RGB	119, 105, 75
RGB Percent	47%, 41%, 29%
CMY	0.5332, 0.5881, 0.7058
CMYK	0.00, 0.12, 0.37, 0.53
HSL	41°, 23%, 38%
HSV	41°, 37%, 47%
XYZ	13.9375, 14.5417, 8.7338
YIQ	105.7660, 17.9740, -6.3620

Conversions

Conversions Part 2

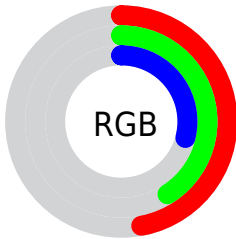
Format	Color
RYB	96, 119, 75
Decimal	7825739
CIELab	45.00, 0.73, 18.92
CIELCh	45, 18.933, 87.778
Yxy	14.5417, 0.3745, 0.3908
Android (android.graphics.Color)	4286015819 (0xFF77694B)
YUV	105.7660, -15.1676, 11.6062
Hunter-Lab	38.1336, -1.4934, 13.1143

Details

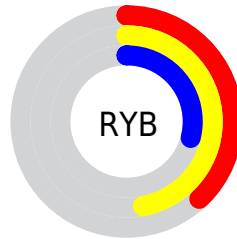
The CIELCh color **45, 18.933, 87.778** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **38, 18.926, 277.967**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 18.938, 87.596**, and **25, 19.087, 88.574** is the 20% darker color. If you saturate the color by 10%, you get **44, 24.201, 86.474**, and if you desaturate by 10%, it is **46, 13.702, 89.056**.

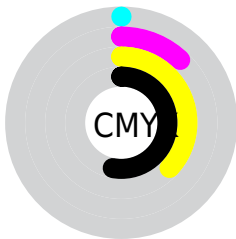
Distribution



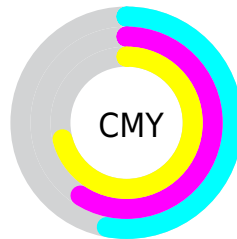
- Red (47%)
- Green (41%)
- Blue (29%)



- Red (38%)
- Yellow (47%)
- Blue (29%)



- Cyan (0%)
- Magenta (12%)
- Yellow (37%)
- Black (53%)



- Cyan (53%)
- Magenta (59%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 18.933, 87.778 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 45, 18.933, 87.778 by changing the saturation by 10% instead.

■ 45, 18.933, 87.778

■ 45, 18.933, 87.778

■ 100, 18.933,
87.778

■ 35, 18.933, 87.778

■ 65, 18.933, 87.778

■ 25, 18.933, 87.778

■ 75, 18.933, 87.778

■ 15, 18.933, 87.778

■ 85, 18.933, 87.778

■ 5, 18.933, 87.778

■ 95, 18.933, 87.778

■ 0, 18.933, 87.778

■ 45, 18.933, 87.778

■ 45, 18.933, 87.778

■ 44, 24.201, 86.474

■ 46, 13.702, 89.056

■ 42, 29.434, 85.123

■ 48, 8.543, 90.290

■ 41, 34.499, 83.717

■ 49, 3.472, 91.464

■ 40, 39.168, 82.218

■ 50, 1.506, 272.774

■ 39, 43.079, 80.549

■ 52, 6.390, 273.809

■ 38, 46.102, 78.699

■ 53, 11.187,
274.866

■ 38, 47.121, 78.201

■ 55, 15.900,
275.881

■ 56, 20.536,
276.850

■ 58, 25.100,
277.771

Harmonies

Complementary

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



45, 18.933, 87.778



38, 18.926, 277.967

Rectangle

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



45, 18.933, 87.778



45, 18.933, 137.778



45, 18.933, 267.778



45, 18.933, 317.778

Sweetspot

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



45, 18.934, 87.783



62, 6.856, 90.969



37, 20.907, 357.703



32, 4.648, 90.843



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 18.934, 87.783



57, 28.199, 86.719



48, 25.546, 114.152



24, 2.777, 91.231



39, 48.067, 78.117



76, 81.335, 76.516

Inverse Universe

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



38, 18.926, 277.967



46, 28.253, 279.683



34, 27.764, 299.963



23, 2.782, 273.463



19, 56.056, 296.122



42, 100.574, 298.087

Previews

White Background



This preview shows how the CIELCh color 45, 18.933, 87.778 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 45, 18.933, 87.778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

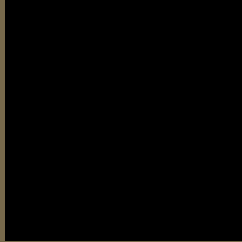
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 18.933, 87.778

Background



This preview shows how black text looks on a background with the CIELCh color 45, 18.933, 87.778.



This preview shows how white text looks on a background with the CIELCh color 45, 18.933, 87.778.

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

45, 18.933, 87.778

Protanopia

45, 18.213, 94.613

Deuteranopia

45, 19.478, 71.610



Tritanopia
45, 10.307, 353.343

Trichromacy



Original Color
45, 18.933, 87.778

Protanomaly
45, 18.327, 93.217

Deuteranomaly
45, 18.855, 77.011

Tritanomaly
45, 9.172, 39.164

Monochromacy



Original Color
45, 18.933, 87.778

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 6.872, 91.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 18.933, 87.778 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(119, 105, 75)` looks like.

```
.text, #text, p{  
    color:rgb(119, 105, 75)  
}
```

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(119, 105, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 105, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 18.933, 87.778 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(119, 105, 75) }
```

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

```
.border{ border-color:rgb(119, 105, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 105, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 105, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 105, 75);  
box-shadow:4px 4px 4px 4px rgb(119, 105,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 18.933, 87.778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 105, 75) }
```

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

```
.background{ background-color: rgb(119,  
105, 75) }
```

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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