

Converting Colors

CIELCh(45, 79.152, 44.434)

Have a look what the booklet for
CIELCh(45, 79.152, 44.434) contains.

CIELCh(45, 79.194, 44.427)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 79.194, 44.427)

Conversions

Conversions Part 1

Format	Color
Hex	C73306
RGB	199, 51, 6
RGB Percent	78%, 20%, 2%
CMY	0.2193, 0.7996, 0.9761
CMYK	0.00, 0.74, 0.97, 0.22
HSL	14°, 94%, 40%
HSV	14°, 97%, 78%
XYZ	24.7963, 14.5417, 1.6746
YIQ	90.1220, 102.6530, 17.3810

Conversions

Conversions Part 2

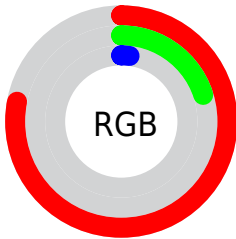
Format	Color
RYB	199, 65, 6
Decimal	13054726
CIELab	45.00, 56.56, 55.44
CIElCh	45, 79.194, 44.427
Yxy	14.5417, 0.6046, 0.3546
Android (android.graphics.Color)	4291244806 (0xFFC73306)
YUV	90.1220, -41.4721, 95.4860
Hunter-Lab	38.1336, 49.3356, 24.0899

Details

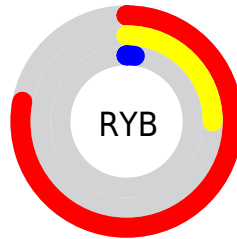
The CIELCh color **45, 79.194, 44.427** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **59, 36.988, 241.680**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 75.580, 44.986**, and **27, 64.464, 38.843** is the 20% darker color. If you saturate the color by 10%, you get **44, 81.303, 44.475**, and if you desaturate by 10%, it is **47, 71.708, 44.584**.

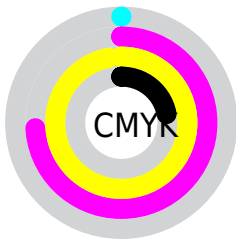
Distribution



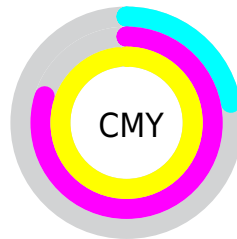
- Red (78%)
- Green (20%)
- Blue (2%)



- Red (78%)
- Yellow (25%)
- Blue (2%)



- Cyan (0%)
- Magenta (74%)
- Yellow (97%)
- Black (22%)



- Cyan (22%)
- Magenta (80%)
- Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 79.194, 44.427 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, 79.194, 44.427 by changing the saturation by 10% instead.

 45, 79.194, 44.427

 45, 79.194, 44.427

 100, 79.194,
44.427

 35, 79.194, 44.427

 65, 79.194, 44.427

 25, 79.194, 44.427

 75, 79.194, 44.427

 15, 79.194, 44.427

 85, 79.194, 44.427

 5, 79.194, 44.427

 95, 79.194, 44.427

 0, 79.194, 44.427

 45, 79.194, 44.427

 45, 79.194, 44.427

 44, 81.303, 44.475

 47, 71.708, 44.584

 50, 62.524, 44.108

■ 53, 52.883, 43.505

■ 57, 43.428, 43.017

■ 60, 34.437, 42.716

■ 64, 26.022, 42.601

■ 68, 18.213, 42.646

■ 73, 10.995, 42.813

■ 77, 4.328, 43.027

Harmonies

Complementary

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



45, 79.194, 44.427



59, 36.988, 241.680

Rectangle

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



45, 79.194, 44.427



45, 79.194, 94.427



45, 79.194, 224.427



45, 79.194, 274.427

Sweetspot

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



45, 79.191, 44.429



85, 24.211, 42.622



45, 80.854, 338.892



43, 16.912, 42.600



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 79.191, 44.429



57, 98.465, 44.083



64, 68.227, 80.842



40, 3.566, 42.982



36, 69.790, 44.875



5, 13.941, 33.336

Inverse Universe

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



59, 36.988, 241.680



74, 45.176, 243.700



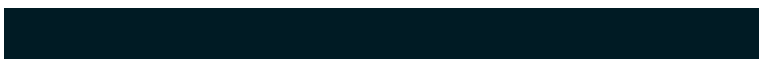
33, 85.170, 298.411



41, 3.372, 223.901



49, 32.148, 242.266



8, 11.124, 232.377

Previews

White Background



This preview shows how the CIELCh color 45, 79.194, 44.427 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, 79.194, 44.427 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, 79.194, 44.427

Background



This preview shows how black text looks on a background with the CIELCh color 45, 79.194, 44.427.



This preview shows how white text looks on a background with the CIELCh color 45, 79.194, 44.427.

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, 79.194, 44.427

Protanopia

45, 45.575, 95.666

Deuteranopia

45, 52.467, 84.481



Tritanopia
45, 69.374, 32.025

Trichromacy



Original Color
45, 79.194, 44.427

Protanomaly
43, 51.405, 66.324

Deuteranomaly
43, 58.440, 62.928

Tritanomaly
45, 73.623, 38.043

Monochromacy



Original Color
45, 79.194, 44.427

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 28.858, 43.421

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 79.194, 44.427 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(199, 51, 6)` looks like.

```
.text, #text, p{  
    color:rgb(199, 51, 6)  
}
```

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(199, 51, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 51, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 79.194, 44.427 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(199, 51, 6) }
```

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

```
.border{ border-color:rgb(199, 51, 6) }
```

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

Here you see how a box with a 4 pixel rgb(199, 51, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 51, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 51, 6);  
box-shadow:4px 4px 4px 4px rgb(199, 51, 6)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 79.194, 44.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 51, 6) }
```

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

```
.background{ background-color: rgb(199, 51,  
6) }
```

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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