

Converting Colors

CIELCh(45, 71.214, 51.049)

Have a look what the booklet for
CIELCh(45, 71.214, 51.049) contains.

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Color

CIELCh(45, 71.166, 51.262)

Conversions

Conversions Part 1

Format	Color
Hex	B94501
RGB	185, 69, 1
RGB Percent	73%, 27%, 0%
CMY	0.2750, 0.7298, 0.9966
CMYK	0.00, 0.63, 1.00, 0.28
HSL	22°, 99%, 36%
HSV	22°, 100%, 72%
XYZ	22.1009, 14.5417, 1.6670
YIQ	95.9320, 90.9640, 3.4440

Conversions

Conversions Part 2

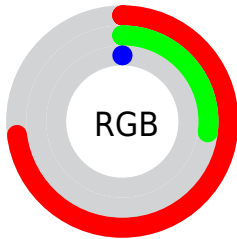
Format	Color
R_{YB}	185, 109, 1
Decimal	12141825
CIE _{Lab}	45.00, 44.53, 55.51
CIE _{LCh}	45, 71.166, 51.262
Yxy	14.5417, 0.5769, 0.3796
Android (android.graphics.Color)	4290331905 (0xFFB94501)
YUV	95.9320, -46.8015, 78.1126
Hunter-Lab	38.1336, 36.7187, 24.1017

Details

The CIELCh color **45, 71.166, 51.262** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **47, 43.408, 267.722**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 70.982, 51.485**, and **25, 58.168, 39.737** is the 20% darker color. If you saturate the color by 10%, you get **45, 71.468, 51.213**, and if you desaturate by 10%, it is **47, 64.982, 52.859**.

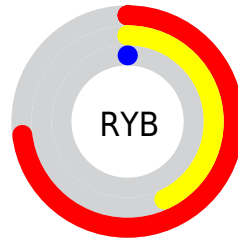
Distribution



Red (73%)

Green (27%)

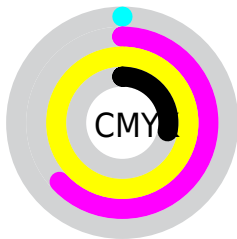
Blue (0%)



Red (73%)

Yellow (43%)

Blue (0%)

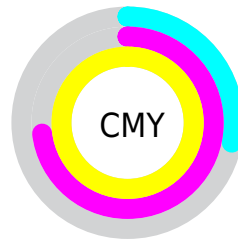


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (28%)



Cyan (28%)

Magenta (73%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 71.166, 51.262 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, 71.166, 51.262 by changing the saturation by 10% instead.

■ 45, 71.166, 51.262

■ 45, 71.166, 51.262

■ 100, 71.166,
51.262

■ 35, 71.166, 51.262

■ 65, 71.166, 51.262

■ 25, 71.166, 51.262

■ 75, 71.166, 51.262

■ 15, 71.166, 51.262

■ 85, 71.166, 51.262

■ 5, 71.166, 51.262

■ 95, 71.166, 51.262

■ 0, 71.166, 51.262

■ 45, 71.166, 51.262

■ 45, 71.166, 51.262

■ 45, 71.468, 51.213

■ 47, 64.982, 52.859

■ 50, 57.442, 53.960

■ 52, 49.198, 54.705

■ 55, 40.933, 55.361

■ 58, 32.964, 56.037

■ 62, 25.422, 56.770

■ 65, 18.344, 57.564

■ 68, 11.723, 58.402

■ 72, 5.531, 59.250

Harmonies

Complementary

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



45, 71.166, 51.262



47, 43.408, 267.722

Rectangle

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



45, 71.166, 51.262



45, 71.166, 101.262



45, 71.166, 231.262



45, 71.166, 281.262

Sweetspot

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



45, 71.164, 51.264



82, 23.094, 57.485



41, 69.706, 349.972



42, 15.976, 57.148



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



45, 71.164, 51.264



58, 87.336, 50.596



66, 69.396, 93.467



37, 3.269, 59.266



38, 62.622, 51.721



4, 8.767, 47.888

Inverse Universe

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



47, 43.408, 267.722



60, 53.572, 268.861



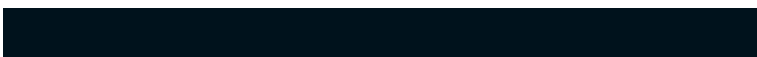
24, 97.498, 304.203



37, 3.138, 241.220



40, 37.992, 267.200



5, 9.091, 254.325

Previews

White Background



This preview shows how the CIELCh color 45, 71.166, 51.262 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, 71.166, 51.262 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, 71.166, 51.262

Background



This preview shows how black text looks on a background with the CIELCh color 45, 71.166, 51.262.



This preview shows how white text looks on a background with the CIELCh color 45, 71.166, 51.262.

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, 71.166, 51.262

Protanopia

45, 47.253, 95.701

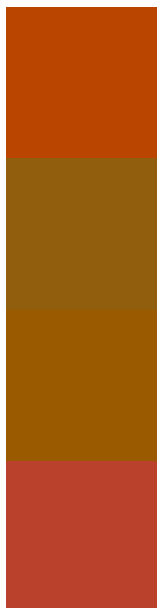
Deuteranopia

45, 52.467, 84.481



Tritanopia
45, 55.214, 26.696

Trichromacy



Original Color
45, 71.166, 51.262

Protanomaly
44, 51.112, 73.869

Deuteranomaly
44, 56.606, 68.856

Tritanomaly
45, 61.035, 39.322

Monochromacy



Original Color
45, 71.166, 51.262

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 25.897, 56.298

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 71.166, 51.262 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(185, 69, 1)` looks like.

```
.text, #text, p{  
    color:rgb(185, 69, 1)  
}
```

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(185, 69, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 69, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 71.166, 51.262 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(185, 69, 1) }
```

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

```
.border{ border-color:rgb(185, 69, 1) }
```

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

Here you see how a box with a 4 pixel rgb(185, 69, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 69, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 69, 1);  
box-shadow:4px 4px 4px 4px rgb(185, 69, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 71.166, 51.262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 69, 1) }
```

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

```
.background{ background-color: rgb(185, 69,  
1) }
```

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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