

Converting Colors

CIELCh(44, 78.011, 53.910)

Have a look what the booklet for
CIELCh(44, 78.011, 53.910) contains.

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Color

CIELCh(44, 72.078, 49.942)

Conversions

Conversions Part 1

Format	Color
Hex	B84000
RGB	184, 64, 0
RGB Percent	72%, 25%, 0%
CMY	0.2788, 0.7493, 1.0000
CMYK	0.00, 0.65, 1.00, 0.28
HSL	21°, 100%, 36%
HSV	21°, 100%, 72%
XYZ	21.5754, 13.8382, 1.5317
YIQ	92.5840, 92.0640, 5.5360

Conversions

Conversions Part 2

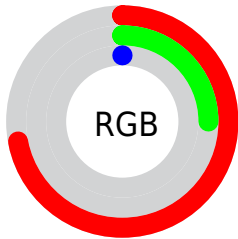
Format	Color
RYB	184, 98, 0
Decimal	12075008
CIELab	44.00, 46.39, 55.17
CIElCh	44, 72.078, 49.942
Yxy	13.8382, 0.5840, 0.3746
Android (android.graphics.Color)	4290265088 (0xFFB84000)
YUV	92.5840, -45.6439, 80.1718
Hunter-Lab	37.1997, 38.4285, 23.5985

Details

The CIELCh color **44, 72.078, 49.942** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **48, 41.603, 264.441**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 72.040, 50.127**, and **24, 58.879, 37.958** is the 20% darker color. If you saturate the color by 10%, you get **44, 72.059, 49.932**, and if you desaturate by 10%, it is **46, 65.720, 51.282**.

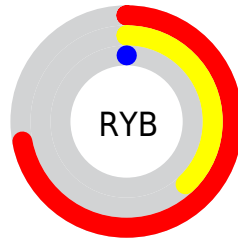
Distribution



Red (72%)

Green (25%)

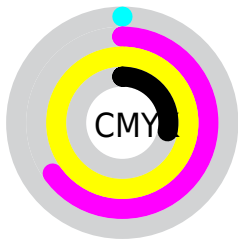
Blue (0%)



Red (72%)

Yellow (38%)

Blue (0%)

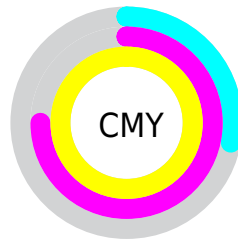


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (28%)



Cyan (28%)

Magenta (75%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 72.078, 49.942 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, 72.078, 49.942 by changing the saturation by 10% instead.

■ 44, 72.078, 49.942 ■ 44, 72.078, 49.942

■ 100, 72.078,
49.942 ■ 34, 72.078, 49.942

■ 64, 72.078, 49.942 ■ 24, 72.078, 49.942

■ 74, 72.078, 49.942 ■ 14, 72.078, 49.942

■ 84, 72.078, 49.942 ■ 4, 72.078, 49.942

■ 94, 72.078, 49.942 ■ 0, 72.078, 49.942

■ 44, 72.078, 49.942 ■ 44, 72.078, 49.942

■ 44, 72.059, 49.932 ■ 46, 65.720, 51.282

■ 49, 58.077, 52.201

■ 51, 49.724, 52.765

■ 54, 41.363, 53.254

■ 57, 33.317, 53.782

■ 61, 25.718, 54.386

■ 64, 18.605, 55.064

■ 68, 11.968, 55.803

■ 71, 5.778, 56.563

Harmonies

Complementary

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



44, 72.078, 49.942



48, 41.603, 264.441

Rectangle

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



44, 72.078, 49.942



44, 72.078, 99.942



44, 72.078, 229.942



44, 72.078, 279.942

Sweetspot

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



44, 72.059, 49.932



81, 23.115, 55.029



41, 70.767, 347.407



41, 16.001, 54.738



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



44, 72.059, 49.932



57, 88.427, 49.323



64, 67.946, 90.715



37, 3.261, 56.612



37, 63.380, 50.411



4, 8.807, 45.916

Inverse Universe

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



48, 41.603, 264.441



62, 51.304, 265.385



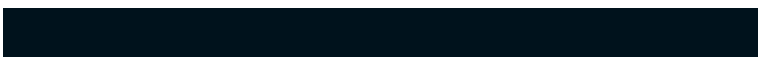
25, 94.672, 303.436



37, 3.122, 238.428



41, 36.460, 263.712



5, 8.940, 251.574

Previews

White Background



This preview shows how the CIELCh color 44, 72.078, 49.942 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, 72.078, 49.942 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, 72.078, 49.942

Background



This preview shows how black text looks on a background with the CIELCh color 44, 72.078, 49.942.



This preview shows how white text looks on a background with the CIELCh color 44, 72.078, 49.942.

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, 72.078, 49.942

Protanopia

44, 46.089, 95.501

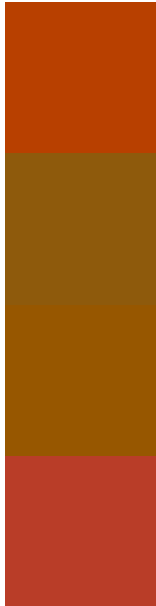
Deuteranopia

44, 51.665, 84.704



Tritanopia
44, 56.989, 27.906

Trichromacy



Original Color
44, 72.078, 49.942

Protanomaly
43, 50.466, 72.000

Deuteranomaly
43, 56.184, 67.808

Tritanomaly
44, 62.964, 39.108

Monochromacy



Original Color
44, 72.078, 49.942

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 26.177, 53.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 72.078, 49.942 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(184, 64, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 64, 0)  
}
```

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(184, 64, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 64, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 72.078, 49.942 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(184, 64, 0) }
```

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

```
.border{ border-color:rgb(184, 64, 0) }
```

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

Here you see how a box with a 4 pixel rgb(184, 64, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 64, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 64, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 64, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 72.078, 49.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 64, 0) }
```

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

```
.background{ background-color: rgb(184, 64,  
0) }
```

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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