

Converting Colors

CIELCh(45, 44.012, 22.830)

Have a look what the booklet for
CIELCh(45, 44.012, 22.830) contains.

CIELCh(45, 44.012, 22.830)	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, 44.012, 22.830)

Conversions

Conversions Part 1

Format	Color
Hex	AD4B50
RGB	173, 75, 80
RGB Percent	68%, 29%, 31%
CMY	0.3208, 0.7052, 0.6857
CMYK	0.00, 0.57, 0.54, 0.32
HSL	357°, 39%, 49%
HSV	357°, 57%, 68%
XYZ	21.2561, 14.5417, 9.3054
YIQ	104.8720, 56.8030, 22.3310

Conversions

Conversions Part 2

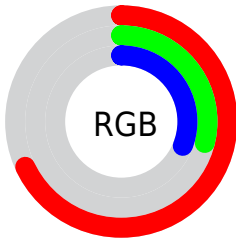
Format	Color
RYB	173, 75, 80
Decimal	11357008
CIELab	45.00, 40.56, 17.08
CIElCh	45, 44.012, 22.830
Yxy	14.5417, 0.4713, 0.3224
Android (android.graphics.Color)	4289547088 (0xFFAD4B50)
YUV	104.8720, -12.2619, 59.7483
Hunter-Lab	38.1336, 32.7641, 12.2255

Details

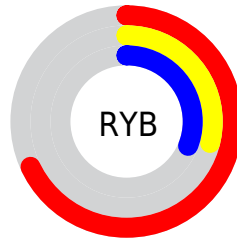
The CIELCh color **45, 44.012, 22.830** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **65, 30.330, 191.623**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 43.964, 22.873**, and **25, 44.045, 22.656** is the 20% darker color. If you saturate the color by 10%, you get **42, 52.511, 25.640**, and if you desaturate by 10%, it is **49, 35.449, 20.623**.

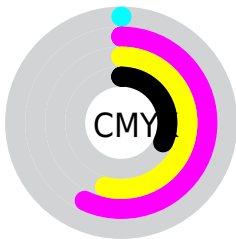
Distribution



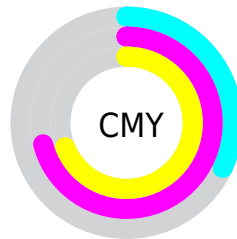
- Red (68%)
- Green (29%)
- Blue (31%)



- Red (68%)
- Yellow (29%)
- Blue (31%)



- Cyan (0%)
- Magenta (57%)
- Yellow (54%)
- Black (32%)



- Cyan (32%)
- Magenta (71%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 44.012, 22.830 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, 44.012, 22.830 by changing the saturation by 10% instead.

■ 45, 44.012, 22.830

■ 45, 44.012, 22.830

■ 100, 44.012,
22.830

■ 35, 44.012, 22.830

■ 65, 44.012, 22.830

■ 25, 44.012, 22.830

■ 75, 44.012, 22.830

■ 15, 44.012, 22.830

■ 85, 44.012, 22.830

■ 5, 44.012, 22.830

■ 95, 44.012, 22.830

■ 0, 44.012, 22.830

■ 45, 44.012, 22.830

■ 45, 44.012, 22.830

■ 42, 52.511, 25.640

■ 49, 35.449, 20.623

■ 39, 60.663, 29.097

■ 53, 27.074, 18.899

37, 68.116, 33.059

58, 19.054, 17.546

36, 74.275, 36.896

63, 11.485, 16.466

36, 76.029, 37.840

67, 4.405, 15.548

73, 2.191, 195.192

78, 8.330, 194.459

83, 14.052,
193.960

88, 19.399,
193.549

Harmonies

Complementary

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



45, 44.012, 22.830



65, 30.330, 191.623

Rectangle

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



45, 44.012, 22.830



45, 44.012, 72.830



45, 44.012, 202.830



45, 44.012, 252.830

Sweetspot

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



45, 44.010, 22.833



79, 14.561, 16.535



47, 62.671, 325.235



40, 9.793, 16.728



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



45, 44.010, 22.833



53, 66.333, 26.473



54, 36.326, 61.831



34, 3.822, 15.793



31, 68.150, 37.384



2, 7.822, 15.957

Inverse Universe

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



45, 44.010, 22.833



53, 66.333, 26.473



53, 28.615, 258.622



34, 3.822, 15.793



31, 68.150, 37.384



2, 7.822, 15.957

Previews

White Background



This preview shows how the CIELCh color 45, 44.012, 22.830 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 45, 44.012, 22.830 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, 44.012, 22.830

Background



This preview shows how black text looks on a background with the CIELCh color 45, 44.012, 22.830.



This preview shows how white text looks on a background with the CIELCh color 45, 44.012, 22.830.

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, 44.012, 22.830

Protanopia

45, 7.429, 92.356

Deuteranopia

45, 19.653, 73.578



Tritanopia
45, 44.012, 22.830

Trichromacy



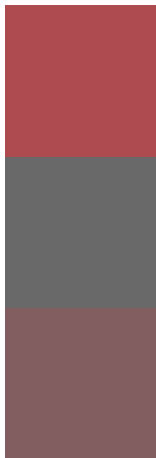
Original Color
45, 44.012, 22.830

Protanomaly
44, 17.732, 31.153

Deuteranomaly
45, 25.667, 42.116

Tritanomaly
45, 44.012, 22.830

Monochromacy



Original Color
45, 44.012, 22.830

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 15.713, 17.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 44.012, 22.830 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(173, 75, 80)` looks like.

```
.text, #text, p{  
    color:rgb(173, 75, 80)  
}
```

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(173, 75, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 75, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 44.012, 22.830 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(173, 75, 80) }
```

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

```
.border{ border-color:rgb(173, 75, 80) }
```

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

Here you see how a box with a 4 pixel rgb(173, 75, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 75, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 75, 80);  
box-shadow:4px 4px 4px 4px rgb(173, 75,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 44.012, 22.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 75, 80) }
```

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

```
.background{ background-color: rgb(173, 75,  
80) }
```

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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