

Converting Colors

CIELCh(45, 45.943, 47.241)

Have a look what the booklet for
CIELCh(45, 45.943, 47.241) contains.

CIELCh(45, 45.943, 47.241)	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, 45.943, 47.241)

Conversions

Conversions Part 1

Format	Color
Hex	A55333
RGB	165, 83, 51
RGB Percent	65%, 33%, 20%
CMY	0.3511, 0.6729, 0.7985
CMYK	0.00, 0.50, 0.69, 0.35
HSL	17°, 53%, 43%
HSV	17°, 69%, 65%
XYZ	19.3470, 14.5417, 4.9625
YIQ	103.8700, 59.1440, 7.4320

Conversions

Conversions Part 2

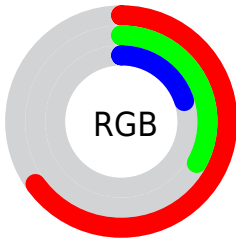
Format	Color
R _Y B	165, 95, 51
Decimal	10834739
CIE Lab	45.00, 31.19, 33.73
CIE LCh	45, 45.943, 47.241
Yxy	14.5417, 0.4980, 0.3743
Android (android.graphics.Color)	4289024819 (0xFFA55333)
YUV	103.8700, -26.0649, 53.6110
Hunter-Lab	38.1336, 23.8277, 18.9778

Details

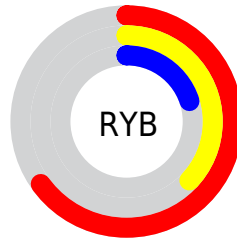
The CIELCh color **45, 45.943, 47.241** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **52, 28.109, 239.644**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 45.680, 47.110**, and **25, 46.091, 47.456** is the 20% darker color. If you saturate the color by 10%, you get **42, 54.017, 47.342**, and if you desaturate by 10%, it is **48, 37.980, 47.178**.

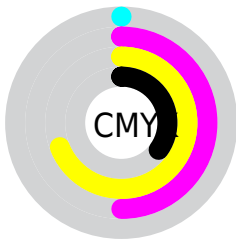
Distribution



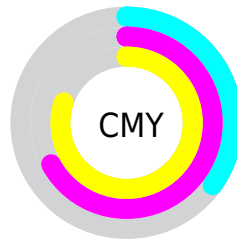
- Red (65%)
- Green (33%)
- Blue (20%)



- Red (65%)
- Yellow (37%)
- Blue (20%)



- Cyan (0%)
- Magenta (50%)
- Yellow (69%)
- Black (35%)



- Cyan (35%)
- Magenta (67%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 45.943, 47.241 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, 45.943, 47.241 by changing the saturation by 10% instead.

■ 45, 45.943, 47.241

■ 45, 45.943, 47.241

■ 100, 45.943,
47.241

■ 35, 45.943, 47.241

■ 65, 45.943, 47.241

■ 25, 45.943, 47.241

■ 75, 45.943, 47.241

■ 15, 45.943, 47.241

■ 85, 45.943, 47.241

■ 5, 45.943, 47.241

■ 95, 45.943, 47.241

■ 0, 45.943, 47.241

■ 45, 45.943, 47.241

■ 45, 45.943, 47.241

■ 42, 54.017, 47.342

■ 48, 37.980, 47.178

■ 40, 61.634, 47.221

■ 51, 30.386, 47.231

■ 38, 68.167, 46.765

■ 54, 23.258, 47.420

■ 38, 68.890, 46.801

■ 58, 16.622, 47.731

■ 61, 10.466, 48.137

■ 65, 4.759, 48.587

■ 68, 0.540, 230.070

■ 72, 5.472, 229.925

■ 76, 10.079,
230.514

Harmonies

Complementary

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



45, 45.943, 47.241



52, 28.109, 239.644

Rectangle

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



45, 45.943, 47.241



45, 45.943, 97.241



45, 45.943, 227.241



45, 45.943, 277.241

Sweetspot

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



45, 45.941, 47.244



76, 14.441, 48.031



42, 59.391, 338.348



39, 9.856, 47.923



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



45, 45.941, 47.244



53, 70.717, 47.329



59, 48.723, 89.795



33, 2.976, 48.574



33, 62.293, 47.075



2, 4.523, 45.935

Inverse Universe

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



52, 28.109, 239.644



63, 38.290, 245.126



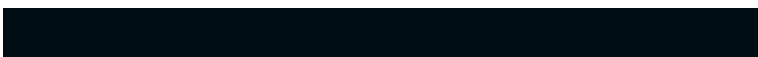
36, 54.090, 291.746



33, 2.830, 229.875



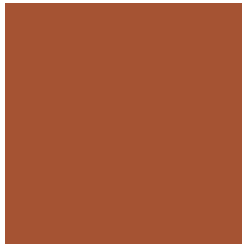
41, 31.064, 251.405



3, 4.476, 236.127

Previews

White Background



This preview shows how the CIELCh color 45, 45.943, 47.241 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, 45.943, 47.241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

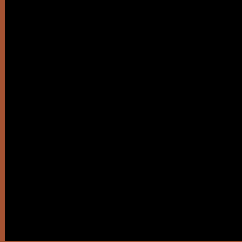
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 45.943, 47.241

Background



This preview shows how black text looks on a background with the CIELCh color 45, 45.943, 47.241.



This preview shows how white text looks on a background with the CIELCh color 45, 45.943, 47.241.

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, 45.943, 47.241

Protanopia

45, 28.460, 95.613

Deuteranopia

45, 35.695, 80.363



Tritanopia
45, 39.281, 20.596

Trichromacy



Original Color
45, 45.943, 47.241

Protanomaly
44, 31.166, 71.367

Deuteranomaly
45, 37.533, 65.282

Tritanomaly
45, 40.200, 31.604

Monochromacy



Original Color
45, 45.943, 47.241

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 15.057, 48.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 45.943, 47.241 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(165, 83, 51)` looks like.

```
.text, #text, p{  
    color:rgb(165, 83, 51)  
}
```

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(165, 83, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 83, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 45.943, 47.241 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(165, 83, 51) }
```

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

```
.border{ border-color:rgb(165, 83, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 83, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 83, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 83, 51);  
box-shadow:4px 4px 4px 4px rgb(165, 83,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 45.943, 47.241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 83, 51) }
```

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

```
.background{ background-color: rgb(165, 83,  
51) }
```

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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