

Converting Colors

CIELCh(45, 43.874, 53.015)

Have a look what the booklet for
CIELCh(45, 43.874, 53.015) contains.

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Color

CIELCh(45, 43.907, 52.373)

Conversions

Conversions Part 1

Format	Color
Hex	A05731
RGB	160, 87, 49
RGB Percent	63%, 34%, 19%
CMY	0.3721, 0.6584, 0.8075
CMYK	0.00, 0.46, 0.69, 0.37
HSL	21°, 53%, 41%
HSV	21°, 69%, 63%
XYZ	18.4944, 14.5417, 4.7484
YIQ	104.4950, 55.7060, 3.6580

Conversions

Conversions Part 2

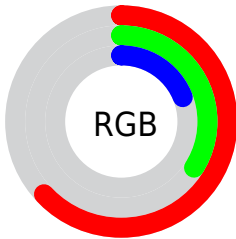
Format	Color
R_{YB}	160, 107, 49
Decimal	10508081
CIE _{Lab}	45.00, 26.81, 34.77
CIE _{LCh}	45, 43.907, 52.373
Yxy	14.5417, 0.4895, 0.3849
Android (android.graphics.Color)	4288698161 (0xFFA05731)
YUV	104.4950, -27.3590, 48.6779
Hunter-Lab	38.1336, 19.8369, 19.3107

Details

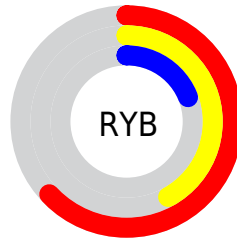
The CIELCh color **45, 43.907, 52.373** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **48, 28.789, 249.710**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 43.864, 52.331**, and **25, 43.751, 52.830** is the 20% darker color. If you saturate the color by 10%, you get **43, 51.428, 51.887**, and if you desaturate by 10%, it is **48, 36.437, 52.821**.

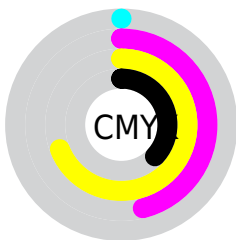
Distribution



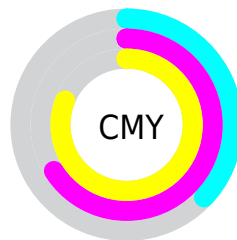
- Red (63%)
- Green (34%)
- Blue (19%)



- Red (63%)
- Yellow (42%)
- Blue (19%)



- Cyan (0%)
- Magenta (46%)
- Yellow (69%)
- Black (37%)



- Cyan (37%)
- Magenta (66%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 43.907, 52.373 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, 43.907, 52.373 by changing the saturation by 10% instead.

■ 45, 43.907, 52.373

■ 45, 43.907, 52.373

■ 100, 43.907,
52.373

■ 35, 43.907, 52.373

■ 65, 43.907, 52.373

■ 25, 43.907, 52.373

■ 75, 43.907, 52.373

■ 15, 43.907, 52.373

■ 85, 43.907, 52.373

■ 5, 43.907, 52.373

■ 95, 43.907, 52.373

■ 0, 43.907, 52.373

■ 45, 43.907, 52.373

■ 45, 43.907, 52.373

■ 43, 51.428, 51.887

■ 48, 36.437, 52.821

■ 40, 58.451, 51.111

■ 51, 29.276, 53.316

38, 64.549, 50.043

53, 22.522, 53.891

38, 64.986, 50.022

57, 16.202, 54.543

60, 10.306, 55.253

63, 4.805, 55.982

66, 0.334, 238.097

69, 5.151, 237.781

73, 9.682, 238.578

Harmonies

Complementary

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



45, 43.907, 52.373



48, 28.789, 249.710

Rectangle

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



45, 43.907, 52.373



45, 43.907, 102.373



45, 43.907, 232.373



45, 43.907, 282.373

Sweetspot

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



45, 43.906, 52.376



75, 14.010, 55.103



40, 55.706, 341.870



39, 9.550, 54.918



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



45, 43.906, 52.376



54, 67.349, 51.539



59, 49.914, 94.461



32, 2.879, 55.989



34, 59.533, 50.368



2, 3.662, 54.621

Inverse Universe

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



48, 28.789, 249.710



59, 40.293, 255.728



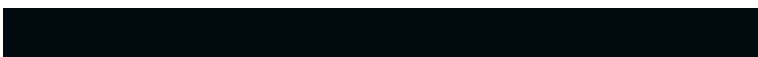
32, 57.925, 295.137



32, 2.757, 237.738



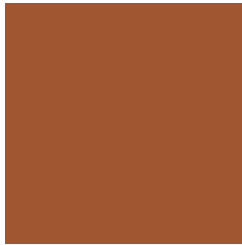
38, 33.773, 262.424



2, 3.687, 241.014

Previews

White Background



This preview shows how the CIELCh color 45, 43.907, 52.373 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, 43.907, 52.373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

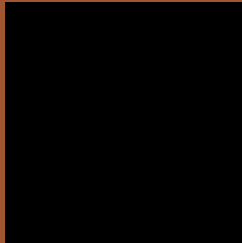
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 43.907, 52.373

Background



This preview shows how black text looks on a background with the CIELCh color 45, 43.907, 52.373.



This preview shows how white text looks on a background with the CIELCh color 45, 43.907, 52.373.

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, 43.907, 52.373

Protanopia

45, 30.082, 95.895

Deuteranopia

45, 36.181, 80.610



Tritanopia
45, 35.200, 20.083

Trichromacy



Original Color
45, 43.907, 52.373

Protanomaly
45, 32.357, 76.387

Deuteranomaly
45, 37.843, 69.112

Tritanomaly
45, 36.792, 33.331

Monochromacy



Original Color
45, 43.907, 52.373

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 14.569, 52.488

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 43.907, 52.373 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(160, 87, 49)` looks like.

```
.text, #text, p{  
    color:rgb(160, 87, 49)  
}
```

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(160, 87, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 87, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 43.907, 52.373 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(160, 87, 49) }
```

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

```
.border{ border-color:rgb(160, 87, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 87, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 87, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 87, 49);  
box-shadow:4px 4px 4px 4px rgb(160, 87,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 43.907, 52.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 87, 49) }
```

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

```
.background{ background-color: rgb(160, 87,  
49) }
```

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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