

Converting Colors

CIELCh(45, 41.884, 46.230)

Have a look what the booklet for
CIELCh(45, 41.884, 46.230) contains.

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Color

CIELCh(45, 42.136, 46.032)

Conversions

Conversions Part 1

Format	Color
Hex	A25539
RGB	162, 85, 57
RGB Percent	64%, 33%, 22%
CMY	0.3636, 0.6657, 0.7756
CMYK	0.00, 0.47, 0.65, 0.36
HSL	16°, 48%, 43%
HSV	16°, 65%, 64%
XYZ	18.9670, 14.5417, 5.7066
YIQ	104.8310, 54.8800, 7.6160

Conversions

Conversions Part 2

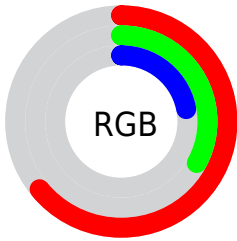
Format	Color
R_{YB}	162, 95, 57
Decimal	10638649
CIE _{Lab}	45.00, 29.25, 30.33
CIE _{LCh}	45, 42.136, 46.032
Yxy	14.5417, 0.4837, 0.3708
Android (android.graphics.Color)	4288828729 (0xFFA25539)
YUV	104.8310, -23.5807, 50.1372
Hunter-Lab	38.1336, 22.0491, 17.8210

Details

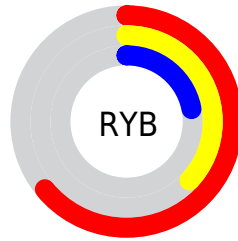
The CIELCh color **45, 42.136, 46.032** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **53, 26.413, 236.101**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 42.194, 45.939**, and **25, 42.032, 46.041** is the 20% darker color. If you saturate the color by 10%, you get **42, 50.144, 46.273**, and if you desaturate by 10%, it is **48, 34.375, 45.898**.

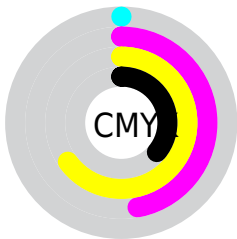
Distribution



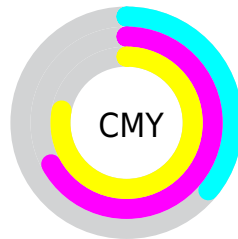
- Red (64%)
- Green (33%)
- Blue (22%)



- Red (64%)
- Yellow (37%)
- Blue (22%)



- Cyan (0%)
- Magenta (47%)
- Yellow (65%)
- Black (36%)



- Cyan (36%)
- Magenta (67%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 42.136, 46.032 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, 42.136, 46.032 by changing the saturation by 10% instead.

■ 45, 42.136, 46.032 ■ 45, 42.136, 46.032

■ 100, 42.136, 46.032 ■ 35, 42.136, 46.032

■ 65, 42.136, 46.032 ■ 25, 42.136, 46.032

■ 75, 42.136, 46.032 ■ 15, 42.136, 46.032

■ 85, 42.136, 46.032 ■ 5, 42.136, 46.032

■ 95, 42.136, 46.032 ■ 0, 42.136, 46.032

■ 45, 42.136, 46.032 ■ 45, 42.136, 46.032

■ 42, 50.144, 46.273 ■ 48, 34.375, 45.898

■ 40, 58.005, 46.448 ■ 51, 27.036, 45.908

38, 64.877, 46.165

54, 20.179, 46.061

37, 68.356, 46.232

58, 13.812, 46.336

61, 7.914, 46.698

65, 2.448, 47.036

69, 2.626, 227.907

72, 7.350, 228.356

76, 11.765,
228.915

Harmonies

Complementary

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



45, 42.136, 46.032



53, 26.413, 236.101

Rectangle

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



45, 42.136, 46.032



45, 42.136, 96.032



45, 42.136, 226.032



45, 42.136, 276.032

Sweetspot

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



45, 42.135, 46.035



76, 12.894, 46.523



42, 55.934, 337.919



39, 9.041, 46.425



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, 42.135, 46.035



54, 65.700, 46.381



58, 45.365, 90.371



33, 2.987, 46.908



33, 62.714, 46.418



2, 4.543, 44.398

Inverse Universe

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



53, 26.413, 236.101



64, 36.341, 240.633



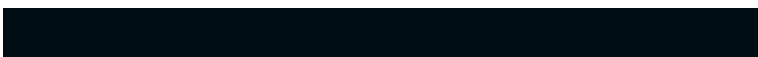
37, 49.639, 290.503



33, 2.837, 228.095



42, 30.512, 248.649



3, 4.474, 234.272

Previews

White Background



This preview shows how the CIELCh color 45, 42.136, 46.032 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, 42.136, 46.032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

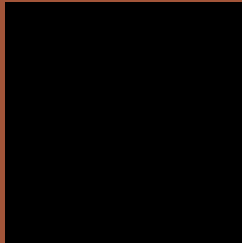
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 42.136, 46.032

Background



This preview shows how black text looks on a background with the CIELCh color 45, 42.136, 46.032.



This preview shows how white text looks on a background with the CIELCh color 45, 42.136, 46.032.

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, 42.136, 46.032

Protanopia

45, 25.058, 95.888

Deuteranopia

45, 31.983, 79.062



Tritanopia
45, 36.977, 19.813

Trichromacy



Original Color
45, 42.136, 46.032

Protanomaly
45, 27.750, 71.039

Deuteranomaly
45, 34.151, 64.583

Tritanomaly
45, 37.552, 30.792

Monochromacy



Original Color
45, 42.136, 46.032

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 13.969, 45.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 42.136, 46.032 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(162, 85, 57)` looks like.

```
.text, #text, p{  
    color:rgb(162, 85, 57)  
}
```

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(162, 85, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 85, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 42.136, 46.032 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(162, 85, 57) }
```

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

```
.border{ border-color:rgb(162, 85, 57) }
```

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

Here you see how a box with a 4 pixel rgb(162, 85, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 85, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 85, 57);  
box-shadow:4px 4px 4px 4px rgb(162, 85,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 42.136, 46.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 85, 57) }
```

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

```
.background{ background-color: rgb(162, 85,  
57) }
```

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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