

Converting Colors

CIELCh(45, 30.098, 56.586)

Have a look what the booklet for
CIELCh(45, 30.098, 56.586) contains.

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Color

CIELCh(45, 30.162, 56.740)

Conversions

Conversions Part 1

Format	Color
Hex	905F41
RGB	144, 95, 65
RGB Percent	56%, 37%, 25%
CMY	0.4346, 0.6268, 0.7445
CMYK	0.00, 0.34, 0.55, 0.43
HSL	23°, 38%, 41%
HSV	23°, 55%, 57%
XYZ	16.5977, 14.5417, 6.9558
YIQ	106.2310, 38.8340, 1.0580

Conversions

Conversions Part 2

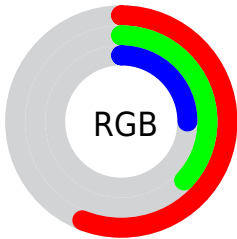
Format	Color
R_{YB}	144, 113, 65
Decimal	9461569
CIE _{Lab}	45.00, 16.54, 25.22
CIE _{LCh}	45, 30.162, 56.740
Yxy	14.5417, 0.4357, 0.3817
Android (android.graphics.Color)	4287651649 (0xFF905F41)
YUV	106.2310, -20.3269, 33.1234
Hunter-Lab	38.1336, 10.9586, 15.8787

Details

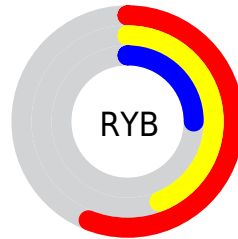
The CIELCh color **45, 30.162, 56.740** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **46, 22.733, 250.610**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 30.241, 57.463**, and **25, 30.024, 56.468** is the 20% darker color. If you saturate the color by 10%, you get **43, 36.749, 56.032**, and if you desaturate by 10%, it is **48, 23.873, 57.495**.

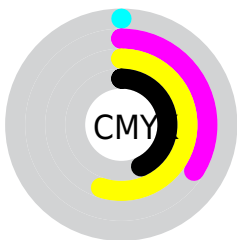
Distribution



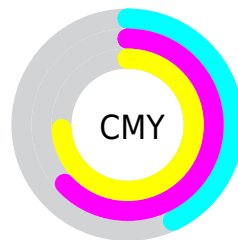
- Red (56%)
- Green (37%)
- Blue (25%)



- Red (56%)
- Yellow (44%)
- Blue (25%)



- Cyan (0%)
- Magenta (34%)
- Yellow (55%)
- Black (43%)





















- Cyan (43%)
- Magenta (63%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 30.162, 56.740 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, 30.162, 56.740 by changing the saturation by 10% instead.

 45, 30.162, 56.740	 45, 30.162, 56.740
 100, 30.162, 56.740	 35, 30.162, 56.740
 65, 30.162, 56.740	 25, 30.162, 56.740
 75, 30.162, 56.740	 15, 30.162, 56.740
 85, 30.162, 56.740	 5, 30.162, 56.740
 95, 30.162, 56.740	 0, 30.162, 56.740

 45, 30.162, 56.740	 45, 30.162, 56.740
 43, 36.749, 56.032	 48, 23.873, 57.495
 40, 43.483, 55.300	 50, 17.940, 58.297

■ 38, 50.021, 54.398

■ 53, 12.371, 59.144

■ 36, 55.737, 53.045

■ 56, 7.149, 60.018

■ 35, 58.789, 52.604

■ 58, 2.249, 60.828

■ 61, 2.361, 242.072

■ 64, 6.712, 242.905

■ 67, 10.834,
243.809

■ 70, 14.753,
244.709

Harmonies

Complementary

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



45, 30.162, 56.740



46, 22.733, 250.610

Rectangle

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



45, 30.162, 56.740



45, 30.162, 106.740



45, 30.162, 236.740



45, 30.162, 286.740

Sweetspot

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



45, 30.161, 56.744



71, 9.665, 59.884



40, 41.749, 341.838



36, 6.543, 59.725



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



45, 30.161, 56.744



55, 46.939, 55.848



55, 38.245, 98.226



29, 2.655, 60.502



33, 55.941, 52.807



1, 1.750, 61.427

Inverse Universe

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



46, 22.733, 250.610



56, 32.858, 254.478



35, 42.684, 292.869



29, 2.557, 242.449



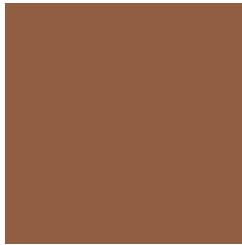
34, 34.646, 268.017



1, 1.750, 241.444

Previews

White Background



This preview shows how the CIELCh color 45, 30.162, 56.740 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, 30.162, 56.740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

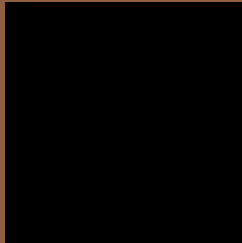
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 30.162, 56.740

Background



This preview shows how black text looks on a background with the CIELCh color 45, 30.162, 56.740.



This preview shows how white text looks on a background with the CIELCh color 45, 30.162, 56.740.

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, 30.162, 56.740

Protanopia

45, 22.158, 96.236

Deuteranopia

45, 26.383, 76.630



Tritanopia
45, 24.603, 13.404

Trichromacy



Original Color
45, 30.162, 56.740

Protanomaly
45, 23.535, 79.844

Deuteranomaly
45, 27.517, 69.748

Tritanomaly
45, 24.559, 32.052

Monochromacy



Original Color
45, 30.162, 56.740

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 10.330, 59.185

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 30.162, 56.740 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(144, 95, 65)` looks like.

```
.text, #text, p{  
    color:rgb(144, 95, 65)  
}
```

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(144, 95, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 95, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 30.162, 56.740 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(144, 95, 65) }
```

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

```
.border{ border-color:rgb(144, 95, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 95, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 95, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 95, 65);  
box-shadow:4px 4px 4px 4px rgb(144, 95,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 30.162, 56.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 95, 65) }
```

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

```
.background{ background-color: rgb(144, 95,  
65) }
```

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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