

Converting Colors

CIELCh(55, 36.894, 45.939)

Have a look what the booklet for
CIELCh(55, 36.894, 45.939) contains.

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Color

CIELCh(55, 36.867, 45.760)

Conversions

Conversions Part 1

Format	Color
Hex	B97157
RGB	185, 113, 87
RGB Percent	73%, 44%, 34%
CMY	0.2731, 0.5556, 0.6577
CMYK	0.00, 0.39, 0.53, 0.27
HSL	16°, 41%, 53%
HSV	16°, 53%, 73%
XYZ	27.7640, 22.9298, 12.0421
YIQ	131.5640, 51.2580, 7.1780

Conversions

Conversions Part 2

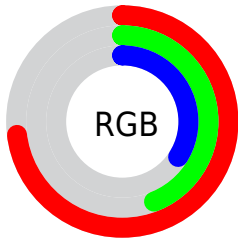
Format	Color
RYB	185, 122, 87
Decimal	12153175
CIELab	55.00, 25.72, 26.41
CIELCh	55, 36.867, 45.760
Yxy	22.9298, 0.4426, 0.3655
Android (android.graphics.Color)	4290343255 (0xFFB97157)
YUV	131.5640, -21.9701, 46.8634
Hunter-Lab	47.8851, 19.6961, 18.6094

Details

The CIELCh color **55, 36.867, 45.760** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **62, 25.430, 233.272**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 37.050, 45.411**, and **35, 36.695, 45.883** is the 20% darker color. If you saturate the color by 10%, you get **52, 45.468, 45.897**, and if you desaturate by 10%, it is **59, 28.751, 45.784**.

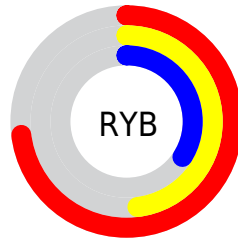
Distribution



Red (73%)

Green (44%)

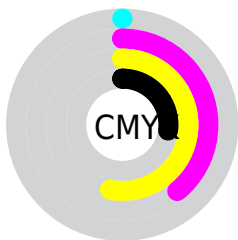
Blue (34%)



Red (73%)

Yellow (48%)

Blue (34%)

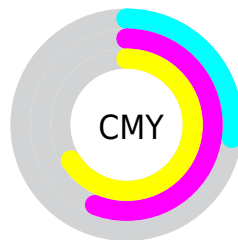


Cyan (0%)

Magenta (39%)

Yellow (53%)

Black (27%)



Cyan (27%)

Magenta (56%)

Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 36.867, 45.760 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 55, 36.867, 45.760 by changing the saturation by 10% instead.

 55, 36.867, 45.760

 55, 36.867, 45.760

 100, 36.867,
45.760

 45, 36.867, 45.760

 75, 36.867, 45.760

 35, 36.867, 45.760

 85, 36.867, 45.760

 25, 36.867, 45.760

 95, 36.867, 45.760

 15, 36.867, 45.760

 5, 36.867, 45.760

 0, 36.867, 45.760

 55, 36.867, 45.760

 55, 36.867, 45.760

 52, 45.468, 45.897

 59, 28.751, 45.784

 49, 54.385, 46.144

 62, 21.185, 45.950

46, 63.202, 46.356

66, 14.168, 46.236

44, 71.017, 46.146

70, 7.673, 46.604

42, 75.757, 45.864

74, 1.660, 46.845

78, 3.921, 227.794

82, 9.116, 228.286

86, 13.971,
228.854

91, 18.528,
229.442

Harmonies

Complementary

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



55, 36.867, 45.760



62, 25.430, 233.272

Rectangle

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



55, 36.867, 45.760



55, 36.867, 95.760



55, 36.867, 225.760



55, 36.867, 275.760

Sweetspot

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



55, 36.866, 45.764



87, 11.881, 46.475



52, 53.407, 336.145



45, 8.081, 46.399



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



55, 36.866, 45.764



66, 56.334, 45.920



67, 41.248, 90.647



37, 3.297, 46.740



35, 66.211, 46.270



4, 9.046, 38.778

Inverse Universe

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



62, 25.430, 233.272



76, 35.300, 235.855



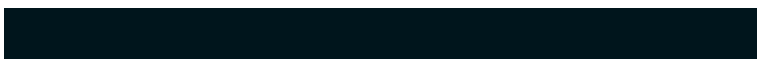
48, 43.430, 286.521



37, 3.127, 227.930



45, 32.071, 248.682



5, 8.562, 239.890

Previews

White Background



This preview shows how the CIELCh color 55, 36.867, 45.760 looks on a white background.

Color Contrast Check

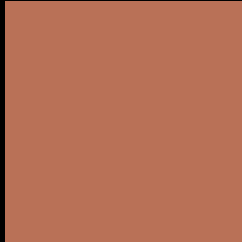
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 55, 36.867, 45.760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

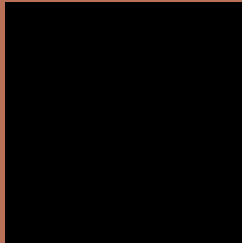
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 36.867, 45.760

Background



This preview shows how black text looks on a background with the CIELCh color 55, 36.867, 45.760.



This preview shows how white text looks on a background with the CIELCh color 55, 36.867, 45.760.

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

55, 36.867, 45.760

Protanopia

55, 21.487, 95.821

Deuteranopia

55, 28.071, 75.032



Tritanopia
55, 33.563, 16.020

Trichromacy



Original Color
55, 36.867, 45.760

Protanomaly
55, 24.261, 70.314

Deuteranomaly
55, 30.240, 61.414

Tritanomaly
55, 33.459, 28.082

Monochromacy



Original Color
55, 36.867, 45.760

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 12.164, 45.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 36.867, 45.760 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(185, 113, 87)` looks like.

```
.text, #text, p{  
    color:rgb(185, 113, 87)  
}
```

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(185, 113, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 113, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 36.867, 45.760 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(185, 113, 87) }
```

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

```
.border{ border-color:rgb(185, 113, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 113, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 113, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 113, 87);  
box-shadow:4px 4px 4px 4px rgb(185, 113,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 36.867, 45.760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 113, 87) }
```

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

```
.background{ background-color: rgb(185,  
113, 87) }
```

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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