

Converting Colors

CIELCh(56, 53.400, 67.532)

Have a look what the booklet for
CIELCh(56, 53.400, 67.532) contains.

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Color

CIELCh(56, 53.646, 67.582)

Conversions

Conversions Part 1

Format	Color
Hex	BB772D
RGB	187, 119, 45
RGB Percent	73%, 47%, 18%
CMY	0.2671, 0.5337, 0.8239
CMYK	0.00, 0.36, 0.76, 0.27
HSL	31°, 61%, 45%
HSV	31°, 76%, 73%
XYZ	27.5257, 23.9124, 5.6383
YIQ	130.8960, 64.2820, -8.5980

Conversions

Conversions Part 2

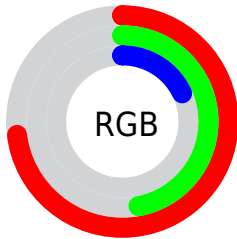
Format	Color
R _Y B	175, 187, 45
Decimal	12285741
CIE Lab	56.00, 20.46, 49.59
CIE LCh	56, 53.646, 67.582
Yxy	23.9124, 0.4823, 0.4190
Android (android.graphics.Color)	4290475821 (0xFFBB772D)
YUV	130.8960, -42.3467, 49.2032
Hunter-Lab	48.9003, 14.9009, 27.3940

Details

The CIELCh color **56, 53.646, 67.582** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **47, 45.294, 275.898**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 53.719, 67.570**, and **36, 50.430, 65.412** is the 20% darker color. If you saturate the color by 10%, you get **54, 60.213, 65.749**, and if you desaturate by 10%, it is **58, 46.280, 69.113**.

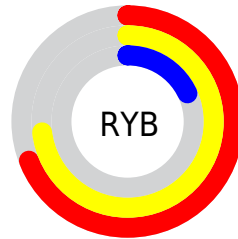
Distribution



Red (73%)

Green (47%)

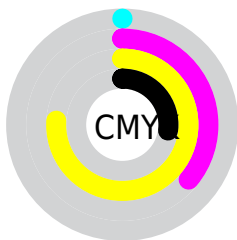
Blue (18%)



Red (69%)

Yellow (73%)

Blue (18%)

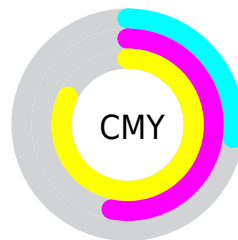


Cyan (0%)

Magenta (36%)

Yellow (76%)

Black (27%)



Cyan (27%)

Magenta (53%)

Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 53.646, 67.582 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 56, 53.646, 67.582 by changing the saturation by 10% instead.

 56, 53.646, 67.582

 56, 53.646, 67.582

 100, 53.646,
67.582

 46, 53.646, 67.582

 76, 53.646, 67.582

 36, 53.646, 67.582

 86, 53.646, 67.582

 26, 53.646, 67.582

 96, 53.646, 67.582

 16, 53.646, 67.582

 6, 53.646, 67.582

 0, 53.646, 67.582

 56, 53.646, 67.582

 56, 53.646, 67.582

 54, 60.213, 65.749

 58, 46.280, 69.113

 52, 65.144, 63.321

 61, 38.691, 70.503

51, 66.946, 62.335

63, 31.182, 71.834

66, 23.893, 73.137

69, 16.880, 74.420

71, 10.158, 75.676

74, 3.714, 76.864

77, 2.470, 258.304

80, 8.418, 259.387

Harmonies

Complementary

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



56, 53.646, 67.582



47, 45.294, 275.898

Rectangle

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



56, 53.646, 67.582



56, 53.646, 117.582



56, 53.646, 247.582



56, 53.646, 297.582

Sweetspot

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



56, 53.645, 67.585



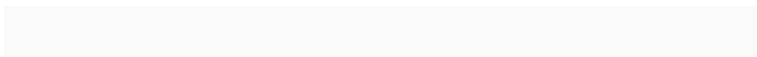
88, 18.354, 74.749



44, 60.753, 355.240



46, 12.908, 74.288



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



56, 53.645, 67.585



67, 77.328, 64.251



74, 68.315, 104.492



38, 3.581, 76.478



43, 59.027, 62.849



6, 10.120, 62.040

Inverse Universe

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



47, 45.294, 275.898



54, 66.900, 282.894



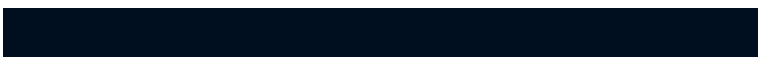
30, 87.384, 303.162



38, 3.516, 258.960



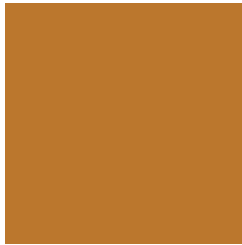
33, 52.067, 285.518



4, 11.799, 270.110

Previews

White Background



This preview shows how the CIELCh color 56, 53.646, 67.582 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 56, 53.646, 67.582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

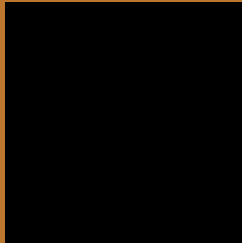
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 53.646, 67.582

Background



This preview shows how black text looks on a background with the CIELCh color 56, 53.646, 67.582.



This preview shows how white text looks on a background with the CIELCh color 56, 53.646, 67.582.

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

56, 53.646, 67.582

Protanopia

56, 46.851, 95.912

Deuteranopia

56, 50.779, 81.726



Tritanopia
56, 33.853, 15.150

Trichromacy



Original Color
56, 53.646, 67.582

Protanomaly
56, 47.304, 84.735

Deuteranomaly
56, 51.589, 76.343

Tritanomaly
56, 36.955, 41.326

Monochromacy



Original Color
56, 53.646, 67.582

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 18.823, 74.317

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 53.646, 67.582 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(187, 119, 45)` looks like.

```
.text, #text, p{  
    color:rgb(187, 119, 45)  
}
```

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(187, 119, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 119, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 53.646, 67.582 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(187, 119, 45) }
```

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

```
.border{ border-color:rgb(187, 119, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 119, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 119, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 119, 45);  
box-shadow:4px 4px 4px 4px rgb(187, 119,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 53.646, 67.582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 119, 45) }
```

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

```
.background{ background-color: rgb(187,  
119, 45) }
```

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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