

Converting Colors

CIELCh(53, 50.232, 55.432)

Have a look what the booklet for
CIELCh(53, 50.232, 55.432) contains.

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Color

CIELCh(53, 50.048, 55.048)

Conversions

Conversions Part 1

Format	Color
Hex	BB6938
RGB	187, 105, 56
RGB Percent	73%, 41%, 22%
CMY	0.2655, 0.5872, 0.7794
CMYK	0.00, 0.44, 0.70, 0.27
HSL	22°, 54%, 48%
HSV	22°, 70%, 73%
XYZ	26.3648, 21.0462, 6.4451
YIQ	123.9320, 64.6010, 2.1450

Conversions

Conversions Part 2

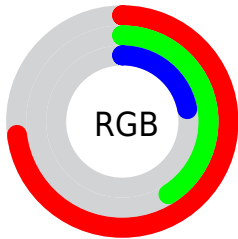
Format	Color
RYB	187, 134, 56
Decimal	12282168
CIELab	53.00, 28.67, 41.02
CIELCh	53, 50.048, 55.048
Yxy	21.0462, 0.4895, 0.3908
Android (android.graphics.Color)	4290472248 (0xFFBB6938)
YUV	123.9320, -33.4905, 55.3106
Hunter-Lab	45.8761, 22.2998, 23.7837

Details

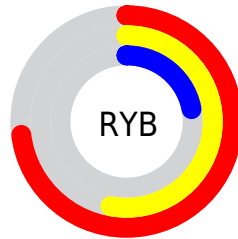
The CIELCh color **53, 50.048, 55.048** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **55, 33.971, 255.057**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 49.904, 55.091**, and **33, 49.964, 55.119** is the 20% darker color. If you saturate the color by 10%, you get **50, 58.330, 54.259**, and if you desaturate by 10%, it is **56, 41.708, 55.740**.

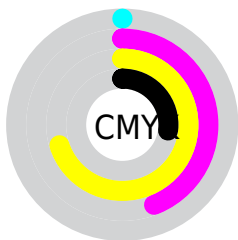
Distribution



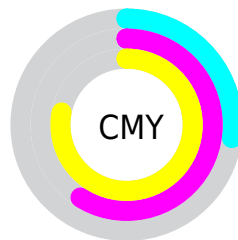
- Red (73%)
- Green (41%)
- Blue (22%)



- Red (73%)
- Yellow (53%)
- Blue (22%)



- Cyan (0%)
- Magenta (44%)
- Yellow (70%)
- Black (27%)



- Cyan (27%)
- Magenta (59%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 50.048, 55.048 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 53, 50.048, 55.048 by changing the saturation by 10% instead.

■ 53, 50.048, 55.048

■ 53, 50.048, 55.048

■ 100, 50.048,
55.048

■ 43, 50.048, 55.048

■ 73, 50.048, 55.048

■ 33, 50.048, 55.048

■ 83, 50.048, 55.048

■ 23, 50.048, 55.048

■ 93, 50.048, 55.048

■ 13, 50.048, 55.048

■ 3, 50.048, 55.048

■ 0, 50.048, 55.048

■ 53, 50.048, 55.048

■ 53, 50.048, 55.048

■ 50, 58.330, 54.259

■ 56, 41.708, 55.740

■ 48, 65.847, 53.088

■ 59, 33.653, 56.442

46, 71.999, 51.446

62, 26.020, 57.197

46, 72.017, 51.443

66, 18.852, 58.009

69, 12.143, 58.865

72, 5.864, 59.732

76, 0.022, 260.822

80, 5.555, 241.750

83, 10.776,
242.645

Harmonies

Complementary

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



53, 50.048, 55.048



55, 33.971, 255.057

Rectangle

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



53, 50.048, 55.048



53, 50.048, 105.048



53, 50.048, 235.048



53, 50.048, 285.048

Sweetspot

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



53, 50.047, 55.051



87, 15.808, 58.747



46, 62.186, 343.976



45, 10.888, 58.507



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



53, 50.047, 55.051



63, 75.850, 53.703



69, 58.400, 96.466



38, 3.346, 59.783



39, 63.254, 51.937



5, 10.124, 46.665

Inverse Universe

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



55, 33.971, 255.057



65, 47.824, 261.509



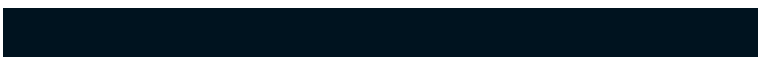
37, 69.445, 296.991



38, 3.214, 241.769



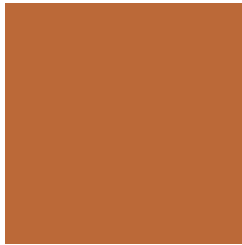
40, 38.806, 267.934



5, 10.220, 255.581

Previews

White Background



This preview shows how the CIELCh color 53, 50.048, 55.048 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 CIELCh color 53, 50.048, 55.048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

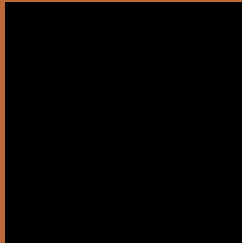
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 50.048, 55.048

Background



This preview shows how black text looks on a background with the CIELCh color 53, 50.048, 55.048.



This preview shows how white text looks on a background with the CIELCh color 53, 50.048, 55.048.

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

53, 50.048, 55.048

Protanopia

53, 36.371, 96.053

Deuteranopia

53, 42.830, 80.829



Tritanopia
53, 38.750, 18.832

Trichromacy



Original Color
53, 50.048, 55.048

Protanomaly
53, 37.996, 77.623

Deuteranomaly
53, 44.117, 69.746

Tritanomaly
53, 40.555, 34.391

Monochromacy



Original Color
53, 50.048, 55.048

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 16.976, 57.944

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 50.048, 55.048 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, 105, 56)` looks like.

```
.text, #text, p{  
    color:rgb(187, 105, 56)  
}
```

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, 105, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 105, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 50.048, 55.048 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, 105, 56) }
```

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

```
.border{ border-color:rgb(187, 105, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 105, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 105, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 105, 56);  
box-shadow:4px 4px 4px 4px rgb(187, 105,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 50.048, 55.048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 105, 56) }
```

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

```
.background{ background-color: rgb(187,  
105, 56) }
```

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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