

Converting Colors

CIELCh(53, 22.430, 56.962)

Have a look what the booklet for
CIELCh(53, 22.430, 56.962) contains.

CIELCh(53, 22.561, 56.286)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(53, 22.561, 56.286)

Conversions

Conversions Part 1

Format	Color
Hex	9E765F
RGB	158, 118, 95
RGB Percent	62%, 46%, 37%
CMY	0.3805, 0.5373, 0.6275
CMYK	0.00, 0.25, 0.40, 0.38
HSL	22°, 25%, 50%
HSV	22°, 40%, 62%
XYZ	22.6384, 21.0462, 13.6917
YIQ	127.3380, 31.2230, 1.3270

Conversions

Conversions Part 2

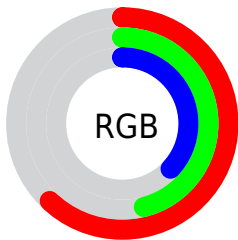
Format	Color
R_{YB}	158, 131, 95
Decimal	10384991
CIE _{Lab}	53.00, 12.52, 18.77
CIE _{LCh}	53, 22.561, 56.286
Yxy	21.0462, 0.3946, 0.3668
Android (android.graphics.Color)	4288575071 (0xFF9E765F)
YUV	127.3380, -15.9426, 26.8906
Hunter-Lab	45.8761, 7.8008, 14.4182

Details

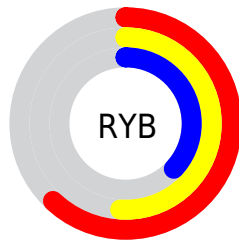
The CIELCh color **53, 22.561, 56.286** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **54, 18.339, 245.133**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 22.449, 55.502**, and **33, 22.408, 56.496** is the 20% darker color. If you saturate the color by 10%, you get **50, 29.200, 55.591**, and if you desaturate by 10%, it is **56, 16.329, 57.054**.

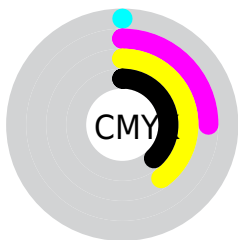
Distribution



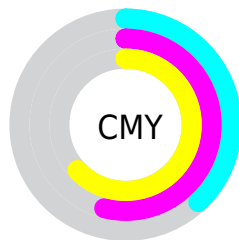
- Red (62%)
- Green (46%)
- Blue (37%)



- Red (62%)
- Yellow (51%)
- Blue (37%)



- Cyan (0%)
- Magenta (25%)
- Yellow (40%)
- Black (38%)



- Cyan (38%)
- Magenta (54%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 22.561, 56.286 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, 22.561, 56.286 by changing the saturation by 10% instead.

■ 53, 22.561, 56.286

■ 53, 22.561, 56.286

■ 100, 22.561,
56.286

■ 43, 22.561, 56.286

■ 73, 22.561, 56.286

■ 33, 22.561, 56.286

■ 83, 22.561, 56.286

■ 23, 22.561, 56.286

■ 93, 22.561, 56.286

■ 13, 22.561, 56.286

■ 3, 22.561, 56.286

■ 0, 22.561, 56.286

■ 53, 22.561, 56.286

■ 53, 22.561, 56.286

■ 50, 29.200, 55.591

■ 56, 16.329, 57.054

■ 47, 36.217, 54.950

■ 59, 10.499, 57.863

45, 43.504, 54.336

62, 5.045, 58.685

42, 50.798, 53.647

65, 0.066, 245.607

40, 57.536, 52.635

68, 4.869, 240.628

38, 63.445, 51.401

71, 9.400, 241.487

38, 63.525, 51.394

75, 13.691,
242.364

78, 17.770,
243.231

81, 21.665,
244.080

Harmonies

Complementary

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



53, 22.561, 56.286



54, 18.339, 245.133

Rectangle

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



53, 22.561, 56.286



53, 22.561, 106.286



53, 22.561, 236.286



53, 22.561, 286.286

Sweetspot

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



53, 22.560, 56.292



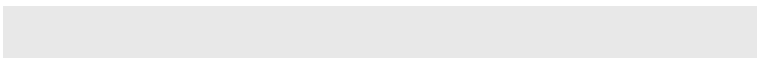
78, 7.686, 58.494



49, 33.826, 339.514



41, 5.159, 58.395



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



53, 22.560, 56.292



65, 34.847, 55.654



61, 29.904, 98.863



32, 2.884, 58.734



35, 58.821, 51.725



2, 3.667, 57.303

Inverse Universe

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



54, 18.339, 245.133



67, 26.792, 247.132



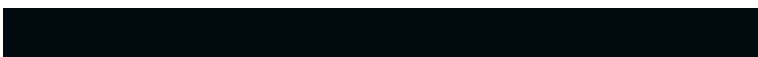
45, 31.923, 288.999



32, 2.770, 240.626



37, 35.204, 266.082



2, 3.711, 243.647

Previews

White Background



This preview shows how the CIELCh color 53, 22.561, 56.286 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, 22.561, 56.286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

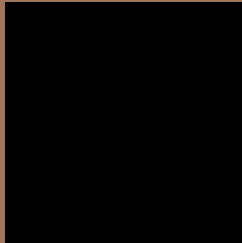
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 22.561, 56.286

Background



This preview shows how black text looks on a background with the CIELCh color 53, 22.561, 56.286.



This preview shows how white text looks on a background with the CIELCh color 53, 22.561, 56.286.

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, 22.561, 56.286

Protanopia

53, 16.437, 95.984

Deuteranopia

53, 20.563, 70.885



Tritanopia
53, 20.057, 7.038

Trichromacy



Original Color
53, 22.561, 56.286

Protanomaly
53, 17.201, 79.351

Deuteranomaly
53, 21.346, 66.315

Tritanomaly
53, 19.251, 24.988

Monochromacy



Original Color
53, 22.561, 56.286

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 7.821, 61.209

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 22.561, 56.286 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(158, 118, 95)` looks like.

```
.text, #text, p{  
    color:rgb(158, 118, 95)  
}
```

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(158, 118, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 118, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 22.561, 56.286 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(158, 118, 95) }
```

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

```
.border{ border-color:rgb(158, 118, 95) }
```

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

Here you see how a box with a 4 pixel rgb(158, 118, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 118, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 118, 95);  
box-shadow:4px 4px 4px 4px rgb(158, 118,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 22.561, 56.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 118, 95) }
```

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

```
.background{ background-color: rgb(158,  
118, 95) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor