

Converting Colors

CIELCh(53, 40.796, 129.175)

Have a look what the booklet for
CIELCh(53, 40.796, 129.175)
contains.

CIELCh(53, 40.756, 129.189)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(53, 40.756, 129.189)

Conversions

Conversions Part 1

Format	Color
Hex	638946
RGB	99, 137, 70
RGB Percent	39%, 54%, 27%
CMY	0.6111, 0.4621, 0.7249
CMYK	0.28, 0.00, 0.49, 0.46
HSL	94°, 32%, 41%
HSV	94°, 49%, 54%
XYZ	15.2444, 21.0462, 9.0795
YIQ	118.0000, -1.1410, -28.8930

Conversions

Conversions Part 2

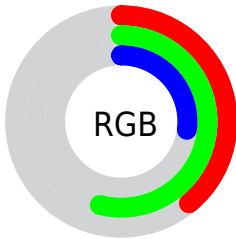
Format	Color
RYB	70, 137, 108
Decimal	6523206
CIELab	53.00, -25.75, 31.59
CIElCh	53, 40.756, 129.189
Yxy	21.0462, 0.3360, 0.4639
Android (android.graphics.Color)	4284713286 (0xFF638946)
YUV	118.0000, -23.6640, -16.6630
Hunter-Lab	45.8761, -20.9687, 20.3790

Details

The CIELCh color $53, 40.756, 129.189$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $37, 43.167, 313.559$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 40.947, 129.546$, and $33, 40.898, 129.397$ is the 20% darker color. If you saturate the color by 10%, you get $52, 48.406, 128.809$, and if you desaturate by 10%, it is $54, 32.688, 129.642$.

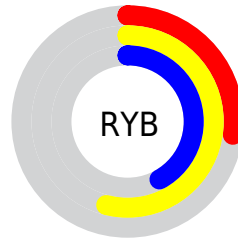
Distribution



Red (39%)

Green (54%)

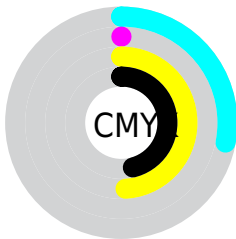
Blue (27%)



Red (27%)

Yellow (54%)

Blue (42%)

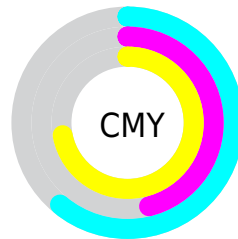


Cyan (28%)

Magenta (0%)

Yellow (49%)

Black (46%)



Cyan (61%)


Magenta (46%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 40.756, 129.189 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, 40.756, 129.189 by changing the saturation by 10% instead.


 53, 40.756,
129.189


 53, 40.756,
129.189


 100, 40.756,
129.189


 43, 40.756,
129.189


 73, 40.756,
129.189

 33, 40.756,
129.189

 83, 40.756,
129.189

 23, 40.756,
129.189

 93, 40.756,
129.189

 13, 40.756,
129.189

 3, 40.756, 129.189

 0, 40.756, 129.189

■ 53, 40.756,
129.189

■ 53, 40.756,
129.189

■ 52, 48.406,
128.809

■ 54, 32.688,
129.642

■ 52, 55.394,
128.574

■ 54, 24.375,
130.115

■ 51, 61.408,
128.586

■ 55, 15.939,
130.583

■ 51, 66.107,
128.966

■ 56, 7.469, 131.031

■ 51, 69.579,
129.643

■ 57, 0.973, 311.315

■ 51, 69.969,
129.706

■ 58, 9.342, 311.783

■ 59, 17.607,
312.122

■ 61, 25.746,
312.422

■ 62, 33.743,
312.687

Harmonies

Complementary

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



53, 40.756, 129.189



37, 43.167, 313.559

Rectangle

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



53, 40.756, 129.189



53, 40.756, 179.189



53, 40.756, 309.189



53, 40.756, 359.189

Sweetspot

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



53, 40.757, 129.190



71, 15.718, 130.743



48, 26.347, 76.002



37, 10.684, 130.661



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



53, 40.757, 129.190



67, 60.009, 128.764



52, 44.346, 142.396



29, 4.776, 131.017



49, 68.234, 129.654



1, 2.217, 131.379

Inverse Universe

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



37, 43.167, 313.559



43, 64.445, 314.010



40, 44.131, 328.929



27, 4.830, 311.741



21, 75.500, 313.838



0, 2.218, 311.376

Previews

White Background



This preview shows how the CIELCh color 53, 40.756, 129.189 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, 40.756, 129.189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

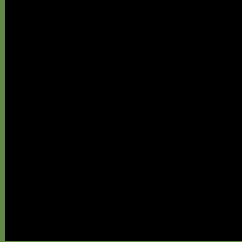
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 40.756, 129.189

Background



This preview shows how black text looks on a background with the CIELCh color 53, 40.756, 129.189.



This preview shows how white text looks on a background with the CIELCh color 53, 40.756, 129.189.

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](#).

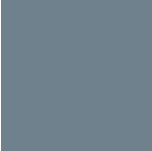
Dichromacy



Original Color
53, 40.756, 129.189

Protanopia
53, 34.347, 95.758

Deuteranopia
53, 30.822, 77.012



Tritanopia
53, 9.314, 242.232

Trichromacy



Original Color
53, 40.756, 129.189

Protanomaly
53, 34.743, 109.536

Deuteranomaly
52, 30.206, 100.255

Tritanomaly
53, 14.336, 154.754

Monochromacy



Original Color
53, 40.756, 129.189

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 15.107, 131.124

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 40.756, 129.189 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(99, 137, 70)` looks like.

```
.text, #text, p{  
    color:rgb(99, 137, 70)  
}
```

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(99, 137, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 137, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 40.756, 129.189 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(99, 137, 70) }
```

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

```
.border{ border-color:rgb(99, 137, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 137, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 137, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 137, 70);  
box-shadow:4px 4px 4px 4px rgb(99, 137,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 40.756, 129.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 137, 70) }
```

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

```
.background{ background-color: rgb(99, 137,  
70) }
```

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