

Converting Colors

CIELCh(53, 37.342, 153.435)

Have a look what the booklet for
CIELCh(53, 37.342, 153.435)
contains.

CIELCh(53, 37.316, 153.475)	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, 37.316, 153.475)

Conversions

Conversions Part 1

Format	Color
Hex	448D61
RGB	68, 141, 97
RGB Percent	27%, 55%, 38%
CMY	0.7344, 0.4481, 0.6206
CMYK	0.52, 0.00, 0.31, 0.45
HSL	144°, 35%, 41%
HSV	144°, 52%, 55%
XYZ	13.9948, 21.0462, 14.5715
YIQ	114.1570, -29.3840, -29.1600

Conversions

Conversions Part 2

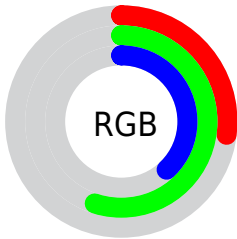
Format	Color
R_{YB}	68, 120, 141
Decimal	4492641
CIE _{Lab}	53.00, -33.39, 16.66
CIE _{LCh}	53, 37.316, 153.475
Yxy	21.0462, 0.2821, 0.4242
Android (android.graphics.Color)	4282682721 (0xFF448D61)
YUV	114.1570, -8.4584, -40.4797
Hunter-Lab	45.8761, -25.8306, 13.2811

Details

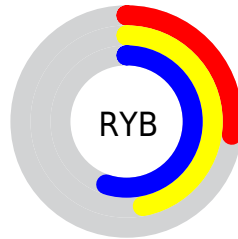
The CIELCh color **53, 37.316, 153.475** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **39, 38.265, 343.131**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 37.161, 153.650**, and **33, 37.435, 153.400** is the 20% darker color. If you saturate the color by 10%, you get **52, 43.666, 152.054**, and if you desaturate by 10%, it is **54, 30.530, 154.724**.

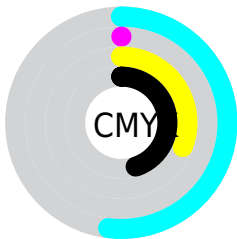
Distribution



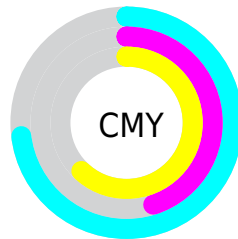
- Red (27%)
- Green (55%)
- Blue (38%)



- Red (27%)
- Yellow (47%)
- Blue (55%)



- Cyan (52%)
- Magenta (0%)
- Yellow (31%)
- Black (45%)





- Cyan (73%)
- Magenta (45%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 37.316, 153.475 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, 37.316, 153.475 by changing the saturation by 10% instead.


 53, 37.316,
153.475


 53, 37.316,
153.475


 100, 37.316,
153.475


 43, 37.316,
153.475


 73, 37.316,
153.475


 33, 37.316,
153.475

 83, 37.316,
153.475

 23, 37.316,
153.475

 93, 37.316,
153.475

 13, 37.316,
153.475

 3, 37.316, 153.475

 0, 37.316, 153.475

■ 53, 37.316,
153.475

■ 53, 37.316,
153.475

■ 52, 43.666,
152.054

■ 54, 30.530,
154.724

■ 52, 49.465,
150.445

■ 55, 23.429,
155.821

■ 51, 54.625,
148.644

■ 56, 16.134,
156.790

■ 51, 59.101,
146.667

■ 57, 8.752, 157.657

■ 51, 62.368,
145.080

■ 58, 1.372, 158.591

■ 60, 5.935, 339.015

■ 61, 13.116,
339.655

■ 63, 20.135,
340.221

■ 65, 26.966,
340.736

Harmonies

Complementary

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



53, 37.316, 153.475



39, 38.265, 343.131

Rectangle

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



53, 37.316, 153.475



53, 37.316, 203.475



53, 37.316, 333.475



53, 37.316, 23.475

Sweetspot

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



53, 37.317, 153.475



72, 14.662, 157.280



55, 41.947, 122.369



37, 9.865, 157.126



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



53, 37.317, 153.475



67, 54.179, 151.830



54, 25.077, 185.592



30, 4.207, 157.879



49, 60.444, 145.170



2, 2.839, 158.522

Inverse Universe

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



39, 38.265, 343.131



47, 55.121, 344.594



38, 33.217, 16.616



28, 4.240, 339.146



29, 54.838, 351.828



1, 2.839, 338.514

Previews

White Background



This preview shows how the CIELCh color 53, 37.316, 153.475 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 53, 37.316, 153.475 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, 37.316, 153.475

Background



This preview shows how black text looks on a background with the CIELCh color 53, 37.316, 153.475.



This preview shows how white text looks on a background with the CIELCh color 53, 37.316, 153.475.

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, 37.316, 153.475

Protanopia
53, 21.012, 96.632

Deuteranopia
53, 16.010, 65.770



Tritanopia
53, 18.692, 215.961

Trichromacy



Original Color
53, 37.316, 153.475

Protanomaly
52, 23.869, 128.194

Deuteranomaly
52, 17.202, 122.301

Tritanomaly
53, 22.351, 182.085

Monochromacy



Original Color
53, 37.316, 153.475

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 14.370, 157.273

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 37.316, 153.475 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(68, 141, 97)` looks like.

```
.text, #text, p{  
    color:rgb(68, 141, 97)  
}
```

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(68, 141, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 141, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 37.316, 153.475 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(68, 141, 97) }
```

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

```
.border{ border-color:rgb(68, 141, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 141, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 141, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 141, 97);  
box-shadow:4px 4px 4px 4px rgb(68, 141,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 37.316, 153.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 141, 97) }
```

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

```
.background{ background-color: rgb(68, 141,  
97) }
```

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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