

Converting Colors

CIELCh(53, 30.519, 100.217)

Have a look what the booklet for
CIELCh(53, 30.519, 100.217)
contains.

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Color

CIELCh(53, 30.675, 100.347)

Conversions

Conversions Part 1

Format	Color
Hex	87804A
RGB	135, 128, 74
RGB Percent	53%, 50%, 29%
CMY	0.4710, 0.4984, 0.7102
CMYK	0.00, 0.05, 0.45, 0.47
HSL	53°, 29%, 41%
HSV	53°, 45%, 53%
XYZ	18.9125, 21.0462, 9.5269
YIQ	123.9370, 21.5060, -15.3100

Conversions

Conversions Part 2

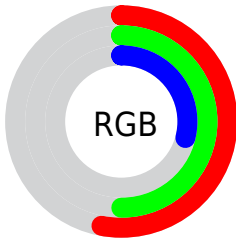
Format	Color
RYB	82, 135, 74
Decimal	8880202
CIELab	53.00, -5.51, 30.18
CIELCh	53, 30.675, 100.347
Yxy	21.0462, 0.3822, 0.4253
Android (android.graphics.Color)	4287070282 (0xFF87804A)
YUV	123.9370, -24.6189, 9.7023
Hunter-Lab	45.8761, -6.6962, 19.8007

Details

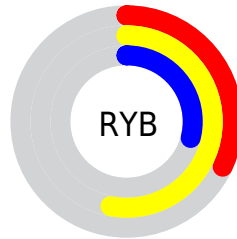
The CIELCh color **53, 30.675, 100.347** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **36, 33.479, 291.608**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 30.666, 100.940**, and **33, 30.499, 99.956** is the 20% darker color. If you saturate the color by 10%, you get **52, 37.056, 99.304**, and if you desaturate by 10%, it is **54, 24.033, 101.411**.

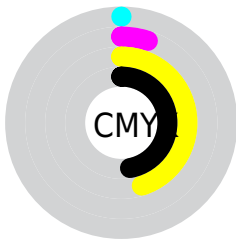
Distribution



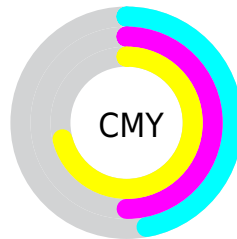
- Red (53%)
- Green (50%)
- Blue (29%)



- Red (32%)
- Yellow (53%)
- Blue (29%)



- Cyan (0%)
- Magenta (5%)
- Yellow (45%)
- Black (47%)





- Cyan (47%)
- Magenta (50%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 30.675, 100.347 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, 30.675, 100.347 by changing the saturation by 10% instead.


 53, 30.675,
100.347


 53, 30.675,
100.347


 100, 30.675,
100.347


 43, 30.675,
100.347


 73, 30.675,
100.347

 33, 30.675,
100.347

 83, 30.675,
100.347

 23, 30.675,
100.347

 93, 30.675,
100.347

 13, 30.675,
100.347

 3, 30.675, 100.347

 0, 30.675, 100.347

■ 53, 30.675,
100.347

■ 53, 30.675,
100.347

■ 52, 37.056, 99.304

■ 54, 24.033,
101.411

■ 52, 42.976, 98.286

■ 54, 17.254,
102.472

■ 51, 48.143, 97.310

■ 51, 52.174, 96.387

■ 55, 10.414,
103.519

■ 50, 54.760, 95.511

■ 56, 3.560, 104.535

■ 50, 55.856, 95.105

■ 57, 3.278, 285.587

■ 58, 10.085,
286.538

■ 58, 16.848,
287.466

■ 59, 23.564,
288.354

■ 60, 30.226,
289.201

Harmonies

Complementary

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



53, 30.675, 100.347



36, 33.479, 291.608

Rectangle

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



53, 30.675, 100.347



53, 30.675, 150.347



53, 30.675, 280.347



53, 30.675, 330.347

Sweetspot

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



53, 30.676, 100.350



70, 11.906, 103.612



39, 27.626, 15.223



37, 8.285, 103.415



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, 30.676, 100.350



67, 45.027, 99.303



53, 35.616, 122.659



28, 3.804, 104.146



48, 54.412, 95.135



1, 0.913, 105.082

Inverse Universe

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



36, 33.479, 291.608



42, 50.625, 293.722



36, 38.653, 307.603



26, 3.864, 286.076



15, 75.177, 304.122



0, 0.913, 285.085

Previews

White Background



This preview shows how the CIELCh color 53, 30.675, 100.347 looks on a white background.

Color Contrast Check

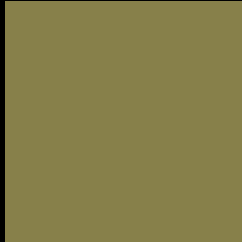
Large Text (above 18pt) WCAG AA ✓ Pass

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, 30.675, 100.347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

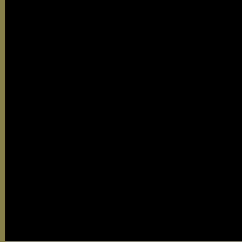
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 30.675, 100.347

Background



This preview shows how black text looks on a background with the CIELCh color 53, 30.675, 100.347.



This preview shows how white text looks on a background with the CIELCh color 53, 30.675, 100.347.

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, 30.675, 100.347

Protanopia

53, 31.064, 96.109

Deuteranopia

53, 30.277, 76.648



Tritanopia
53, 9.878, 344.793

Trichromacy



Original Color
53, 30.675, 100.347

Protanomaly
53, 30.978, 96.944

Deuteranomaly
53, 30.010, 85.964

Tritanomaly
53, 10.295, 71.070

Monochromacy



Original Color
53, 30.675, 100.347

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 11.027, 102.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 30.675, 100.347 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(135, 128, 74)` looks like.

```
.text, #text, p{  
    color:rgb(135, 128, 74)  
}
```

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(135, 128, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 128, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 30.675, 100.347 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(135, 128, 74) }
```

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

```
.border{ border-color:rgb(135, 128, 74) }
```

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

Here you see how a box with a 4 pixel rgb(135, 128, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 128, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 128, 74);  
box-shadow:4px 4px 4px 4px rgb(135, 128,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 30.675, 100.347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 128, 74) }
```

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

```
.background{ background-color: rgb(135,  
128, 74) }
```

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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