

Converting Colors

CIELCh(53, 20.117, 104.227)

Have a look what the booklet for
CIELCh(53, 20.117, 104.227)
contains.

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Color

CIELCh(53, 20.047, 103.897)

Conversions

Conversions Part 1

Format	Color
Hex	83805D
RGB	131, 128, 93
RGB Percent	51%, 50%, 36%
CMY	0.4864, 0.4981, 0.6354
CMYK	0.00, 0.02, 0.29, 0.49
HSL	55°, 17%, 44%
HSV	55°, 29%, 51%
XYZ	19.0479, 21.0462, 13.4094
YIQ	124.9070, 13.0230, -10.2490

Conversions

Conversions Part 2

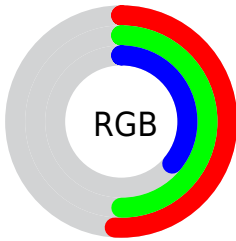
Format	Color
R_{YB}	96, 131, 93
Decimal	8618077
CIE _{Lab}	53.00, -4.81, 19.46
CIE _{LCh}	53, 20.047, 103.897
Yxy	21.0462, 0.3560, 0.3934
Android (android.graphics.Color)	4286808157 (0xFF83805D)
YUV	124.9070, -15.7302, 5.3436
Hunter-Lab	45.8761, -6.1695, 14.7831

Details

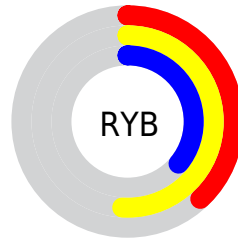
The CIELCh color $53, 20.047, 103.897$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $42, 21.196, 290.364$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 19.941, 104.761$, and $33, 19.773, 103.820$ is the 20% darker color. If you saturate the color by 10%, you get $52, 26.820, 102.889$, and if you desaturate by 10%, it is $54, 13.169, 104.913$.

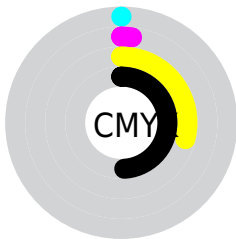
Distribution



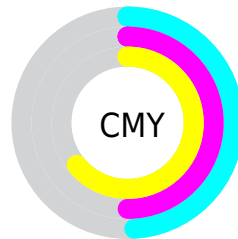
- Red (51%)
- Green (50%)
- Blue (36%)



- Red (38%)
- Yellow (51%)
- Blue (36%)



- Cyan (0%)
- Magenta (2%)
- Yellow (29%)
- Black (49%)





- Cyan (49%)
- Magenta (50%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 20.047, 103.897 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, 20.047, 103.897 by changing the saturation by 10% instead.


 53, 20.047,
103.897


 53, 20.047,
103.897


 100, 20.047,
103.897


 43, 20.047,
103.897


 73, 20.047,
103.897

 33, 20.047,
103.897

 83, 20.047,
103.897

 23, 20.047,
103.897

 93, 20.047,
103.897

 13, 20.047,
103.897

 3, 20.047, 103.897

 0, 20.047, 103.897

■ 53, 20.047,
103.897

■ 53, 20.047,
103.897

■ 52, 26.820,
102.889

■ 54, 13.169,
104.913

■ 52, 33.388,
101.892

■ 54, 6.243, 105.910

■ 52, 39.600,
100.928

■ 55, 0.692, 287.005

■ 55, 7.614, 287.866

■ 51, 45.227,
100.018

■ 56, 14.506,
288.781

■ 51, 49.950, 99.184

■ 57, 21.359,
289.661

■ 50, 53.400, 98.442

■ 58, 28.166,
290.502

■ 50, 55.712, 97.778

■ 50, 55.946, 97.713

■ 59, 34.924,
291.302

■ 59, 41.628,
292.060

Harmonies

Complementary

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



53, 20.047, 103.897



42, 21.196, 290.364

Rectangle

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



53, 20.047, 103.897



53, 20.047, 153.897



53, 20.047, 283.897



53, 20.047, 333.897

Sweetspot

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



53, 20.048, 103.901



69, 7.748, 105.891



44, 16.622, 15.244



36, 5.427, 105.765



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



53, 20.048, 103.901



67, 29.959, 103.212



53, 22.732, 124.719



28, 3.947, 105.897



50, 55.661, 97.717



1, 0.948, 106.805

Inverse Universe

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



42, 21.196, 290.364



50, 32.187, 291.452



42, 23.807, 307.627



26, 4.017, 287.770



15, 77.131, 304.857



0, 0.948, 286.807

Previews

White Background



This preview shows how the CIE LCh color 53, 20.047, 103.897 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, 20.047, 103.897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

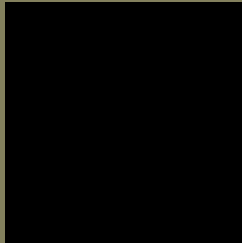
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 20.047, 103.897

Background



This preview shows how black text looks on a background with the CIELCh color 53, 20.047, 103.897.



This preview shows how white text looks on a background with the CIELCh color 53, 20.047, 103.897.

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, 20.047, 103.897

Protanopia

53, 19.998, 94.968

Deuteranopia

53, 20.126, 70.001



Tritanopia
53, 7.355, 335.198

Trichromacy



Original Color
53, 20.047, 103.897

Protanomaly
53, 20.269, 98.906

Deuteranomaly
53, 19.072, 83.350

Tritanomaly
53, 5.470, 67.026

Monochromacy



Original Color
53, 20.047, 103.897

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 7.504, 106.064

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 20.047, 103.897 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(131, 128, 93)` looks like.

```
.text, #text, p{  
    color:rgb(131, 128, 93)  
}
```

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(131, 128, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 128, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 20.047, 103.897 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(131, 128, 93) }
```

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

```
.border{ border-color:rgb(131, 128, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 128, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 128, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 128, 93);  
box-shadow:4px 4px 4px 4px rgb(131, 128,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 20.047, 103.897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 128, 93) }
```

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

```
.background{ background-color: rgb(131,  
128, 93) }
```

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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