

Converting Colors

CIELCh(51, 53.167, 128.731)

Have a look what the booklet for
CIELCh(51, 53.167, 128.731)
contains.

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Color

CIELCh(51, 53.416, 128.951)

Conversions

Conversions Part 1

Format	Color
Hex	53872D
RGB	83, 135, 45
RGB Percent	33%, 53%, 18%
CMY	0.6756, 0.4716, 0.8245
CMYK	0.39, 0.00, 0.67, 0.47
HSL	95°, 50%, 35%
HSV	95°, 67%, 53%
XYZ	12.6397, 19.2686, 5.5100
YIQ	109.1920, -2.1020, -39.0140

Conversions

Conversions Part 2

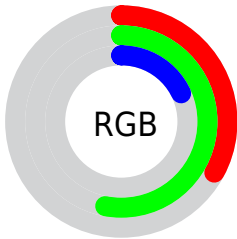
Format	Color
RYB	45, 135, 97
Decimal	5474093
CIELab	51.00, -33.58, 41.54
CIElCh	51, 53.416, 128.951
Yxy	19.2686, 0.3378, 0.5150
Android (android.graphics.Color)	4283664173 (0xFF53872D)
YUV	109.1920, -31.6467, -22.9704
Hunter-Lab	43.8960, -25.4197, 23.2849

Details

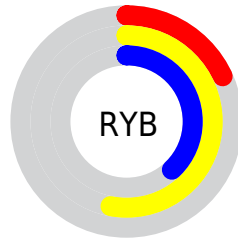
The CIELCh color **51, 53.416, 128.951** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **30, 57.602, 314.518**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 53.710, 128.989**, and **31, 50.525, 130.906** is the 20% darker color. If you saturate the color by 10%, you get **51, 59.602, 128.890**, and if you desaturate by 10%, it is **52, 46.341, 129.235**.

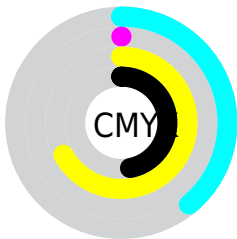
Distribution



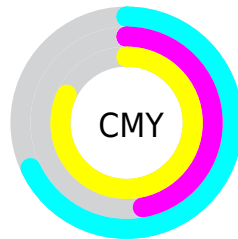
- Red (33%)
- Green (53%)
- Blue (18%)



- Red (18%)
- Yellow (53%)
- Blue (38%)



- Cyan (39%)
- Magenta (0%)
- Yellow (67%)
- Black (47%)





- Cyan (68%)
- Magenta (47%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 53.416, 128.951 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 51, 53.416, 128.951 by changing the saturation by 10% instead.


 51, 53.416,
128.951


 51, 53.416,
128.951


 100, 53.416,
128.951


 41, 53.416,
128.951


 71, 53.416,
128.951

 31, 53.416,
128.951

 81, 53.416,
128.951

 21, 53.416,
128.951

 91, 53.416,
128.951

 11, 53.416,
128.951

 1, 53.416, 128.951

 0, 53.416, 128.951

■ 51, 53.416,
128.951

■ 51, 53.416,
128.951

■ 51, 59.602,
128.890

■ 52, 46.341,
129.235

■ 50, 64.561,
129.166

■ 52, 38.671,
129.642

■ 50, 68.175,
129.805

■ 53, 30.629,
130.104

■ 50, 69.266,
129.979

■ 54, 22.376,
130.580

■ 55, 14.024,
131.043

■ 56, 5.655, 131.487

■ 57, 2.674, 311.826

■ 58, 10.922,
312.216

■ 59, 19.060,
312.543

Harmonies

Complementary

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



51, 53.416, 128.951



30, 57.602, 314.518

Rectangle

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



51, 53.416, 128.951



51, 53.416, 178.951



51, 53.416, 308.951



51, 53.416, 358.951

Sweetspot

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



51, 53.417, 128.952



69, 20.781, 130.876



44, 36.216, 73.492



36, 14.289, 130.762



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 53.417, 128.952



65, 75.717, 128.979



50, 57.493, 140.298



28, 4.641, 131.385



48, 67.476, 129.925



1, 1.111, 131.743

Inverse Universe

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



30, 57.602, 314.518



34, 82.683, 314.654



35, 56.406, 329.776



26, 4.692, 312.099



20, 74.272, 314.138



0, 1.112, 311.740

Previews

White Background



This preview shows how the CIE LCh color 51, 53.416, 128.951 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 51, 53.416, 128.951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

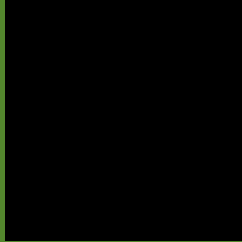
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 53.416, 128.951

Background



This preview shows how black text looks on a background with the CIELCh color 51, 53.416, 128.951.



This preview shows how white text looks on a background with the CIELCh color 51, 53.416, 128.951.

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
51, 53.416, 128.951

Protanopia
51, 44.251, 95.705

Deuteranopia
51, 40.321, 80.654



Tritanopia
51, 11.803, 228.264

Trichromacy



Original Color
51, 53.416, 128.951

Protanomaly
50, 45.644, 110.191

Deuteranomaly
50, 40.466, 102.180

Tritanomaly
51, 21.245, 151.990

Monochromacy



Original Color
51, 53.416, 128.951

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 20.405, 131.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 53.416, 128.951 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(83, 135, 45)` looks like.

```
.text, #text, p{  
    color:rgb(83, 135, 45)  
}
```

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(83, 135, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 135, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 53.416, 128.951 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(83, 135, 45) }
```

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

```
.border{ border-color:rgb(83, 135, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 135, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 135, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 135, 45);  
box-shadow:4px 4px 4px 4px rgb(83, 135,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 53.416, 128.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 135, 45) }
```

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

```
.background{ background-color: rgb(83, 135,  
45) }
```

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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