

Converting Colors

CIELCh(53, 49.883, 86.386)

Have a look what the booklet for
CIELCh(53, 49.883, 86.386) contains.

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Color

CIELCh(53, 50.074, 86.672)

Conversions

Conversions Part 1

Format	Color
Hex	9A7B22
RGB	154, 123, 34
RGB Percent	60%, 48%, 13%
CMY	0.3974, 0.5188, 0.8679
CMYK	0.00, 0.20, 0.78, 0.40
HSL	45°, 64%, 37%
HSV	45°, 78%, 60%
XYZ	20.5961, 21.0462, 4.4665
YIQ	122.1230, 47.0450, -21.1070

Conversions

Conversions Part 2

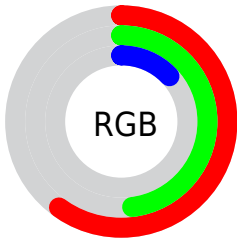
Format	Color
RYB	76, 154, 34
Decimal	10124066
CIELab	53.00, 2.91, 49.99
CIELCh	53, 50.074, 86.672
Yxy	21.0462, 0.4467, 0.4564
Android (android.graphics.Color)	4288314146 (0xFF9A7B22)
YUV	122.1230, -43.4446, 27.9561
Hunter-Lab	45.8761, -0.1457, 26.3409

Details

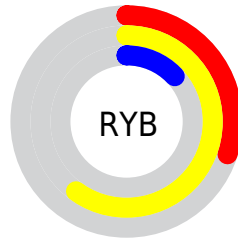
The CIELCh color **53, 50.074, 86.672** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **30, 56.404, 293.046**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 49.926, 86.354**, and **33, 42.203, 85.361** is the 20% darker color. If you saturate the color by 10%, you get **52, 54.220, 85.101**, and if you desaturate by 10%, it is **54, 44.676, 88.111**.

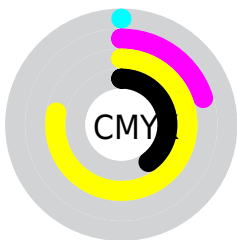
Distribution



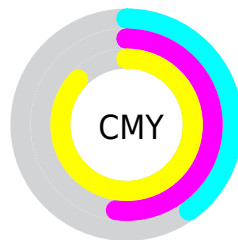
- Red (60%)
- Green (48%)
- Blue (13%)



- Red (30%)
- Yellow (60%)
- Blue (13%)



- Cyan (0%)
- Magenta (20%)
- Yellow (78%)
- Black (40%)



- Cyan (40%)
- Magenta (52%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 50.074, 86.672 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, 50.074, 86.672 by changing the saturation by 10% instead.

 53, 50.074, 86.672

 53, 50.074, 86.672

 100, 50.074,
86.672

 43, 50.074, 86.672

 73, 50.074, 86.672

 33, 50.074, 86.672

 83, 50.074, 86.672

 23, 50.074, 86.672

 93, 50.074, 86.672

 13, 50.074, 86.672

 3, 50.074, 86.672

 0, 50.074, 86.672

 53, 50.074, 86.672

 53, 50.074, 86.672

 52, 54.220, 85.101

 54, 44.676, 88.111

 51, 56.858, 83.341

 55, 38.539, 89.473

51, 57.363, 83.013

57, 32.018, 90.792

58, 25.332, 92.079

59, 18.608, 93.336

61, 11.914, 94.557

62, 5.286, 95.729

64, 1.258, 277.032

65, 7.714, 278.031

Harmonies

Complementary

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



53, 50.074, 86.672



30, 56.404, 293.046

Rectangle

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



53, 50.074, 86.672



53, 50.074, 136.672



53, 50.074, 266.672



53, 50.074, 316.672

Sweetspot

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



53, 50.074, 86.675



76, 18.763, 93.906



35, 51.744, 12.939



39, 12.976, 93.496



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



53, 50.074, 86.675



65, 68.059, 83.723



59, 61.047, 115.390



32, 3.689, 95.599



46, 53.692, 83.198



3, 3.924, 95.828

Inverse Universe

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



30, 56.404, 293.046



33, 85.395, 298.680



25, 75.217, 306.553



30, 3.714, 277.834



21, 68.442, 299.567



1, 3.996, 276.985

Previews

White Background



This preview shows how the CIELCh color 53, 50.074, 86.672 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, 50.074, 86.672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

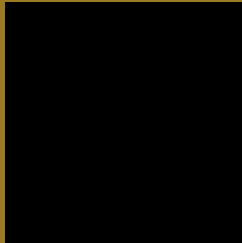
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 50.074, 86.672

Background



This preview shows how black text looks on a background with the CIELCh color 53, 50.074, 86.672.



This preview shows how white text looks on a background with the CIELCh color 53, 50.074, 86.672.

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, 50.074, 86.672

Protanopia

53, 49.307, 95.629

Deuteranopia

53, 50.045, 82.022



Tritanopia
53, 19.128, 7.928

Trichromacy



Original Color
53, 50.074, 86.672

Protanomaly
53, 49.084, 92.184

Deuteranomaly
53, 49.823, 83.706

Tritanomaly
53, 24.177, 60.117

Monochromacy



Original Color
53, 50.074, 86.672

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 19.234, 91.731

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 50.074, 86.672 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(154, 123, 34)` looks like.

```
.text, #text, p{  
    color:rgb(154, 123, 34)  
}
```

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(154, 123, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 123, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 50.074, 86.672 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(154, 123, 34) }
```

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

```
.border{ border-color:rgb(154, 123, 34) }
```

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

Here you see how a box with a 4 pixel rgb(154, 123, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 123, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 123, 34);  
box-shadow:4px 4px 4px 4px rgb(154, 123,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 50.074, 86.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 123, 34) }
```

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

```
.background{ background-color: rgb(154,  
123, 34) }
```

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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