

Converting Colors

CIELCh(53, 45.219, 80.169)

Have a look what the booklet for
CIELCh(53, 45.219, 80.169) contains.

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Color

CIELCh(53, 45.110, 80.374)

Conversions

Conversions Part 1

Format	Color
Hex	9F782F
RGB	159, 120, 47
RGB Percent	62%, 47%, 18%
CMY	0.3760, 0.5290, 0.8153
CMYK	0.00, 0.25, 0.70, 0.38
HSL	39°, 54%, 40%
HSV	39°, 70%, 62%
XYZ	21.5647, 21.0462, 5.6257
YIQ	123.3390, 46.6770, -14.4350

Conversions

Conversions Part 2

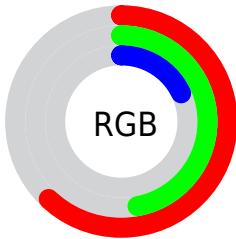
Format	Color
R_{YB}	107, 159, 47
Decimal	10450991
CIE _{Lab}	53.00, 7.54, 44.47
CIE _{LCh}	53, 45.110, 80.374
Yxy	21.0462, 0.4471, 0.4363
Android (android.graphics.Color)	4288641071 (0xFF9F782F)
YUV	123.3390, -37.6351, 31.2747
Hunter-Lab	45.8761, 3.6233, 24.8427

Details

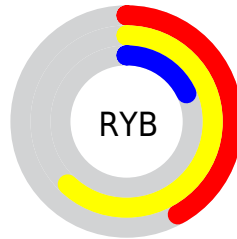
The CIELCh color **53, 45.110, 80.374** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **37, 45.265, 284.871**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 45.077, 80.146**, and **33, 42.915, 79.558** is the 20% darker color. If you saturate the color by 10%, you get **51, 50.689, 78.703**, and if you desaturate by 10%, it is **55, 38.857, 81.897**.

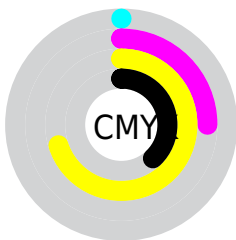
Distribution



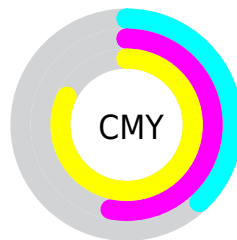
- Red (62%)
- Green (47%)
- Blue (18%)



- Red (42%)
- Yellow (62%)
- Blue (18%)



- Cyan (0%)
- Magenta (25%)
- Yellow (70%)
- Black (38%)



- Cyan (38%)
- Magenta (53%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 45.110, 80.374 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, 45.110, 80.374 by changing the saturation by 10% instead.

■ 53, 45.110, 80.374

■ 53, 45.110, 80.374

■ 100, 45.110,
80.374

■ 43, 45.110, 80.374

■ 73, 45.110, 80.374

■ 33, 45.110, 80.374

■ 83, 45.110, 80.374

■ 23, 45.110, 80.374

■ 93, 45.110, 80.374

■ 13, 45.110, 80.374

■ 3, 45.110, 80.374

■ 0, 45.110, 80.374

■ 53, 45.110, 80.374

■ 53, 45.110, 80.374

■ 51, 50.689, 78.703

■ 55, 38.857, 81.897

■ 50, 55.012, 76.740

■ 56, 32.318, 83.333

49, 57.988, 74.605

58, 25.713, 84.716

60, 19.160, 86.057

62, 12.715, 87.359

64, 6.405, 88.609

65, 0.235, 88.962

67, 5.798, 271.082

69, 11.700,
272.192

Harmonies

Complementary

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



53, 45.110, 80.374



37, 45.265, 284.871

Rectangle

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



53, 45.110, 80.374



53, 45.110, 130.374



53, 45.110, 260.374



53, 45.110, 310.374

Sweetspot

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



53, 45.110, 80.377



78, 16.209, 87.230



38, 49.143, 3.670



41, 11.091, 86.897



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



53, 45.110, 80.377



65, 64.492, 77.730



62, 57.565, 111.489



33, 3.460, 88.749



44, 53.578, 74.903



3, 4.347, 87.045

Inverse Universe

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



37, 45.265, 284.871



42, 67.891, 290.185



28, 70.396, 304.136



31, 3.455, 271.137



24, 60.667, 294.950



1, 4.582, 271.370

Previews

White Background



This preview shows how the CIELCh color 53, 45.110, 80.374 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, 45.110, 80.374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

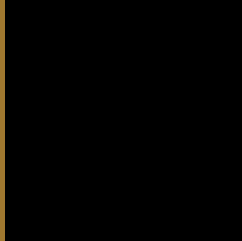
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 45.110, 80.374

Background



This preview shows how black text looks on a background with the CIELCh color 53, 45.110, 80.374.



This preview shows how white text looks on a background with the CIELCh color 53, 45.110, 80.374.

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, 45.110, 80.374

Protanopia

53, 43.279, 95.947

Deuteranopia

53, 45.076, 81.680



Tritanopia
53, 21.664, 9.946

Trichromacy



Original Color
53, 45.110, 80.374

Protanomaly
53, 43.557, 89.571

Deuteranomaly
53, 45.076, 81.680

Tritanomaly
53, 24.592, 51.756

Monochromacy



Original Color
53, 45.110, 80.374

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 16.798, 86.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 45.110, 80.374 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(159, 120, 47)` looks like.

```
.text, #text, p{  
    color:rgb(159, 120, 47)  
}
```

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(159, 120, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 120, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 45.110, 80.374 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(159, 120, 47) }
```

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

```
.border{ border-color:rgb(159, 120, 47) }
```

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

Here you see how a box with a 4 pixel rgb(159, 120, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 120, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 120, 47);  
box-shadow:4px 4px 4px 4px rgb(159, 120,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 45.110, 80.374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 120, 47) }
```

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

```
.background{ background-color: rgb(159,  
120, 47) }
```

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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