

Converting Colors

CIELCh(54, 45.640, 40.405)

Have a look what the booklet for
CIELCh(54, 45.640, 40.405) contains.

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Color

CIELCh(54, 45.802, 40.284)

Conversions

Conversions Part 1

Format	Color
Hex	C46750
RGB	196, 103, 80
RGB Percent	77%, 40%, 31%
CMY	0.2319, 0.5965, 0.6867
CMYK	0.00, 0.47, 0.59, 0.23
HSL	12°, 50%, 54%
HSV	12°, 59%, 77%
XYZ	29.0148, 21.9746, 10.2818
YIQ	128.1850, 62.8110, 12.5630

Conversions

Conversions Part 2

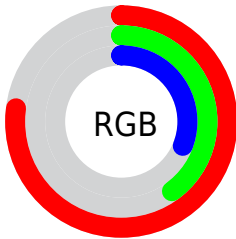
Format	Color
R_{YB}	196, 109, 80
Decimal	12871504
CIE _{Lab}	54.00, 34.94, 29.61
CIE _{LCh}	54, 45.802, 40.284
Yxy	21.9746, 0.4735, 0.3586
Android (android.graphics.Color)	4291061584 (0xFFC46750)
YUV	128.1850, -23.7552, 59.4738
Hunter-Lab	46.8770, 28.4486, 19.8095

Details

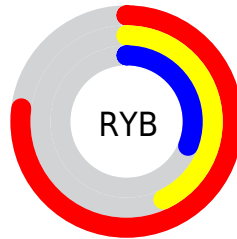
The CIELCh color **54, 45.802, 40.284** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted orange. A complement of this color would be **66, 28.839, 224.008**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 45.071, 40.529**, and **34, 45.889, 39.993** is the 20% darker color. If you saturate the color by 10%, you get **51, 55.356, 41.152**, and if you desaturate by 10%, it is **58, 36.646, 39.652**.

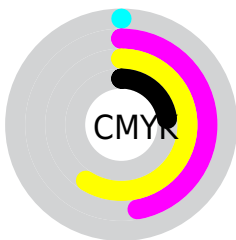
Distribution



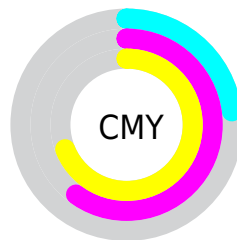
- Red (77%)
- Green (40%)
- Blue (31%)



- Red (77%)
- Yellow (43%)
- Blue (31%)



- Cyan (0%)
- Magenta (47%)
- Yellow (59%)
- Black (23%)



- Cyan (23%)
- Magenta (60%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 45.802, 40.284 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 54, 45.802, 40.284 by changing the saturation by 10% instead.

■ 54, 45.802, 40.284

■ 54, 45.802, 40.284

■ 100, 45.802,
40.284

■ 44, 45.802, 40.284

■ 74, 45.802, 40.284

■ 34, 45.802, 40.284

■ 84, 45.802, 40.284

■ 24, 45.802, 40.284

■ 94, 45.802, 40.284

■ 14, 45.802, 40.284

■ 4, 45.802, 40.284

■ 0, 45.802, 40.284

■ 54, 45.802, 40.284

■ 54, 45.802, 40.284

■ 51, 55.356, 41.152

■ 58, 36.646, 39.652

■ 48, 64.973, 42.154

■ 62, 28.042, 39.246

45, 73.885, 42.982

66, 20.041, 39.037

43, 80.980, 43.280

70, 12.643, 38.984

43, 81.532, 43.352

75, 5.817, 39.023

79, 0.483, 220.409

84, 6.308, 219.642

89, 11.712,
219.911

93, 16.585,
218.184

Harmonies

Complementary

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



54, 45.802, 40.284



66, 28.839, 224.008

Rectangle

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



54, 45.802, 40.284



54, 45.802, 90.284



54, 45.802, 220.284



54, 45.802, 270.284

Sweetspot

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



54, 45.800, 40.288



90, 14.621, 38.985



52, 64.107, 333.835



46, 10.285, 38.984



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



54, 45.800, 40.288



64, 70.947, 41.437



67, 45.971, 84.577



39, 3.552, 39.023



35, 70.003, 43.675



4, 12.427, 31.718

Inverse Universe

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



66, 28.839, 224.008



82, 39.395, 226.597



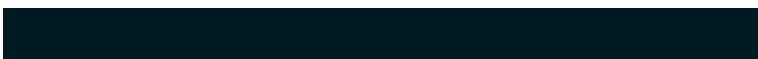
50, 46.744, 283.962



40, 3.353, 219.631



50, 31.046, 234.741



8, 10.396, 227.034

Previews

White Background



This preview shows how the CIELCh color 54, 45.802, 40.284 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 54, 45.802, 40.284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

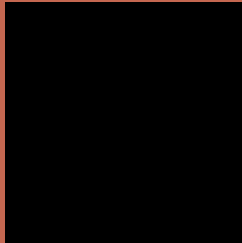
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 45.802, 40.284

Background



This preview shows how black text looks on a background with the CIELCh color 54, 45.802, 40.284.



This preview shows how white text looks on a background with the CIELCh color 54, 45.802, 40.284.

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





Tritanopia
54, 42.612, 19.947

Trichromacy



Original Color
54, 45.802, 40.284

Protanomaly
54, 27.126, 65.623

Deuteranomaly
54, 35.132, 59.703

Tritanomaly
54, 43.035, 27.110

Monochromacy



Original Color
54, 45.802, 40.284

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 15.329, 38.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 45.802, 40.284 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(196, 103, 80)` looks like.

```
.text, #text, p{  
    color:rgb(196, 103, 80)  
}
```

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(196, 103, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 103, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 45.802, 40.284 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(196, 103, 80) }
```

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

```
.border{ border-color:rgb(196, 103, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 103, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 103, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 103, 80);  
box-shadow:4px 4px 4px 4px rgb(196, 103,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 45.802, 40.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 103, 80) }
```

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

```
.background{ background-color: rgb(196,  
103, 80) }
```

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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