

Converting Colors

CIELCh(53, 45.949, 80.052)

Have a look what the booklet for
CIELCh(53, 45.949, 80.052) contains.

CIELCh(53, 46.204, 80.173)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(53, 46.204, 80.173)

Conversions

Conversions Part 1

Format	Color
Hex	A0782D
RGB	160, 120, 45
RGB Percent	63%, 47%, 18%
CMY	0.3732, 0.5299, 0.8241
CMYK	0.00, 0.25, 0.72, 0.37
HSL	39°, 56%, 40%
HSV	39°, 72%, 63%
XYZ	21.6375, 21.0462, 5.3909
YIQ	123.4100, 47.9150, -14.8450

Conversions

Conversions Part 2

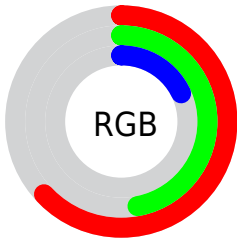
Format	Color
R_{YB}	106, 160, 45
Decimal	10516525
CIE _{Lab}	53.00, 7.89, 45.53
CIE _{LCh}	53, 46.204, 80.173
Yxy	21.0462, 0.4501, 0.4378
Android (android.graphics.Color)	4288706605 (0xFFA0782D)
YUV	123.4100, -38.6561, 32.0894
Hunter-Lab	45.8761, 3.9064, 25.1462

Details

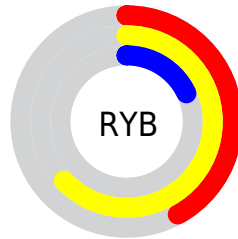
The CIELCh color **53, 46.204, 80.173** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **37, 46.537, 285.430**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 46.218, 80.066**, and **33, 42.915, 79.558** is the 20% darker color. If you saturate the color by 10%, you get **51, 51.647, 78.468**, and if you desaturate by 10%, it is **55, 40.004, 81.714**.

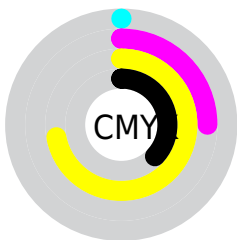
Distribution



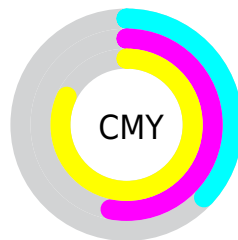
- Red (63%)
- Green (47%)
- Blue (18%)



- Red (42%)
- Yellow (63%)
- Blue (18%)



- Cyan (0%)
- Magenta (25%)
- Yellow (72%)
- Black (37%)



- Cyan (37%)
- Magenta (53%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 46.204, 80.173 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, 46.204, 80.173 by changing the saturation by 10% instead.

■ 53, 46.204, 80.173

■ 53, 46.204, 80.173

■ 100, 46.204,
80.173

■ 43, 46.204, 80.173

■ 73, 46.204, 80.173

■ 33, 46.204, 80.173

■ 83, 46.204, 80.173

■ 23, 46.204, 80.173

■ 93, 46.204, 80.173

■ 13, 46.204, 80.173

■ 3, 46.204, 80.173

■ 0, 46.204, 80.173

■ 53, 46.204, 80.173

■ 53, 46.204, 80.173

■ 51, 51.647, 78.468

■ 55, 40.004, 81.714

■ 50, 55.725, 76.444

■ 56, 33.467, 83.160

49, 58.184, 74.645

58, 26.837, 84.551

60, 20.244, 85.899

62, 13.754, 87.207

64, 7.395, 88.467

65, 1.177, 89.547

67, 4.902, 270.956

69, 10.850,
272.069

Harmonies

Complementary

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



53, 46.204, 80.173



37, 46.537, 285.430

Rectangle

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



53, 46.204, 80.173



53, 46.204, 130.173



53, 46.204, 260.173



53, 46.204, 310.173

Sweetspot

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



53, 46.204, 80.176



78, 17.009, 87.145



38, 50.145, 4.139



41, 11.552, 86.818



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, 46.204, 80.176



65, 65.526, 77.372



63, 58.704, 111.444



33, 3.462, 88.795



44, 53.579, 74.954



3, 4.349, 87.091

Inverse Universe

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



37, 46.537, 285.430



41, 69.726, 290.966



28, 72.225, 304.353



31, 3.457, 271.182



24, 60.722, 294.983



1, 4.584, 271.411

Previews

White Background



This preview shows how the CIELCh color 53, 46.204, 80.173 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, 46.204, 80.173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

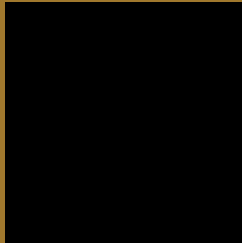
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 46.204, 80.173

Background



This preview shows how black text looks on a background with the CIELCh color 53, 46.204, 80.173.



This preview shows how white text looks on a background with the CIELCh color 53, 46.204, 80.173.

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, 46.204, 80.173

Protanopia

53, 44.276, 95.392

Deuteranopia

53, 45.759, 81.231



Tritanopia
53, 22.580, 9.110

Trichromacy



Original Color
53, 46.204, 80.173

Protanomaly
53, 44.458, 89.739

Deuteranomaly
53, 45.979, 80.699

Tritanomaly
53, 25.440, 50.752

Monochromacy



Original Color
53, 46.204, 80.173

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, 46.204, 80.173 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(160, 120, 45)` looks like.

```
.text, #text, p{  
    color:rgb(160, 120, 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(160, 120, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 120, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 46.204, 80.173 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(160, 120, 45) }
```

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

```
.border{ border-color:rgb(160, 120, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 120, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 120, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 120, 45);  
box-shadow:4px 4px 4px 4px rgb(160, 120,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 46.204, 80.173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 120, 45) }
```

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

```
.background{ background-color: rgb(160,  
120, 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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