

Converting Colors

CIELCh(55, 51.814, 79.995)

Have a look what the booklet for
CIELCh(55, 51.814, 79.995) contains.

CIELCh(55, 51.859, 80.142)	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(55, 51.859, 80.142)

Conversions

Conversions Part 1

Format	Color
Hex	A87C25
RGB	168, 124, 37
RGB Percent	66%, 49%, 15%
CMY	0.3405, 0.5131, 0.8543
CMYK	0.00, 0.26, 0.78, 0.34
HSL	40°, 64%, 40%
HSV	40°, 78%, 66%
XYZ	23.7466, 22.9298, 4.9376
YIQ	127.2380, 54.1510, -17.7290

Conversions

Conversions Part 2

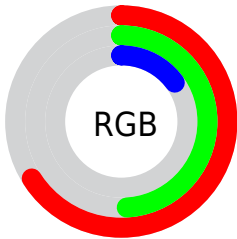
Format	Color
R_{YB}	103, 168, 37
Decimal	11041829
CIE Lab	55.00, 8.88, 51.09
CIE LCh	55, 51.859, 80.142
Yxy	22.9298, 0.4601, 0.4443
Android (android.graphics.Color)	4289231909 (0xFFA87C25)
YUV	127.2380, -44.4873, 35.7483
Hunter-Lab	47.8851, 4.7204, 27.4060

Details

The CIELCh color **55, 51.859, 80.142** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **36, 53.869, 288.398**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 51.652, 79.772**, and **35, 44.809, 77.861** is the 20% darker color. If you saturate the color by 10%, you get **53, 56.643, 78.280**, and if you desaturate by 10%, it is **57, 45.869, 81.768**.

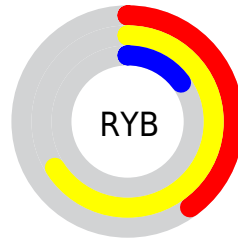
Distribution



Red (66%)

Green (49%)

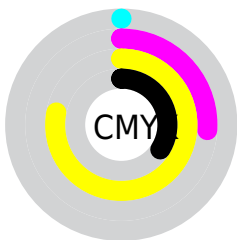
Blue (15%)



Red (40%)

Yellow (66%)

Blue (15%)

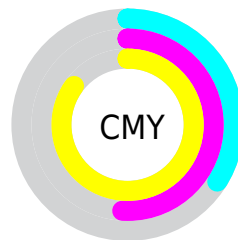


Cyan (0%)

Magenta (26%)

Yellow (78%)

Black (34%)



Cyan (34%)

Magenta (51%)

Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 51.859, 80.142 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 55, 51.859, 80.142 by changing the saturation by 10% instead.

 55, 51.859, 80.142

 55, 51.859, 80.142

 100, 51.859,
80.142

 45, 51.859, 80.142

 75, 51.859, 80.142

 35, 51.859, 80.142

 85, 51.859, 80.142

 25, 51.859, 80.142

 95, 51.859, 80.142

 15, 51.859, 80.142

 5, 51.859, 80.142

 0, 51.859, 80.142

 55, 51.859, 80.142

 55, 51.859, 80.142

 53, 56.643, 78.280

 57, 45.869, 81.768

 52, 59.782, 76.064

 58, 39.249, 83.261

52, 60.426, 75.613

60, 32.365, 84.682

62, 25.428, 86.054

64, 18.547, 87.387

65, 11.776, 88.677

67, 5.139, 89.910

69, 1.359, 271.321

71, 7.720, 272.356

Harmonies

Complementary

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



55, 51.859, 80.142



36, 53.869, 288.398

Rectangle

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



55, 51.859, 80.142



55, 51.859, 130.142



55, 51.859, 260.142



55, 51.859, 310.142

Sweetspot

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



55, 51.858, 80.145



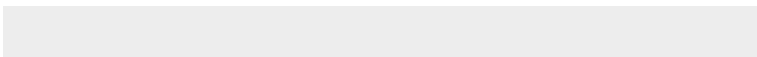
82, 18.887, 87.971



38, 55.247, 6.213



43, 13.099, 87.519



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



55, 51.858, 80.145



67, 71.742, 76.785



65, 64.535, 111.325



35, 3.689, 89.745



46, 54.998, 75.941



4, 6.199, 84.206

Inverse Universe

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



36, 53.869, 288.398



41, 81.317, 294.421



27, 81.342, 305.178



33, 3.687, 272.139



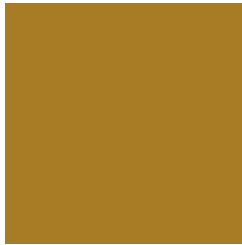
25, 63.703, 295.793



2, 7.031, 274.499

Previews

White Background



This preview shows how the CIELCh color 55, 51.859, 80.142 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 55, 51.859, 80.142 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 55, 51.859, 80.142

Background



This preview shows how black text looks on a background with the CIELCh color 55, 51.859, 80.142.



This preview shows how white text looks on a background with the CIELCh color 55, 51.859, 80.142.

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

55, 51.859, 80.142

Protanopia

55, 49.862, 95.348

Deuteranopia

55, 51.582, 81.743



Tritanopia
55, 24.501, 10.427

Trichromacy



Original Color
55, 51.859, 80.142

Protanomaly
55, 50.144, 89.794

Deuteranomaly
55, 51.793, 81.268

Tritanomaly
55, 28.654, 52.132

Monochromacy



Original Color
55, 51.859, 80.142

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 19.715, 86.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 51.859, 80.142 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(168, 124, 37)` looks like.

```
.text, #text, p{  
    color:rgb(168, 124, 37)  
}
```

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(168, 124, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 124, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 51.859, 80.142 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(168, 124, 37) }
```

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

```
.border{ border-color:rgb(168, 124, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 124, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 124, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 124, 37);  
box-shadow:4px 4px 4px 4px rgb(168, 124,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 51.859, 80.142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 124, 37) }
```

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

```
.background{ background-color: rgb(168,  
124, 37) }
```

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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