

Converting Colors

CIELCh(55, 47.150, 87.491)

Have a look what the booklet for
CIELCh(55, 47.150, 87.491) contains.

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Color

CIELCh(55, 46.893, 87.475)

Conversions

Conversions Part 1

Format	Color
Hex	9D802E
RGB	157, 128, 46
RGB Percent	62%, 50%, 18%
CMY	0.3829, 0.4967, 0.8183
CMYK	0.00, 0.18, 0.71, 0.38
HSL	44°, 55%, 40%
HSV	44°, 71%, 62%
XYZ	22.2385, 22.9298, 5.8729
YIQ	127.3230, 43.6060, -19.3540

Conversions

Conversions Part 2

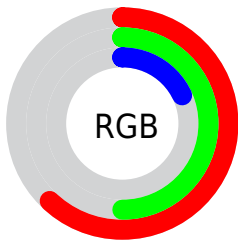
Format	Color
RYB	85, 157, 46
Decimal	10321966
CIELab	55.00, 2.07, 46.85
CIELCh	55, 46.893, 87.475
Yxy	22.9298, 0.4357, 0.4492
Android (android.graphics.Color)	4288512046 (0xFF9D802E)
YUV	127.3230, -40.0922, 26.0267
Hunter-Lab	47.8851, -0.9012, 26.2479

Details

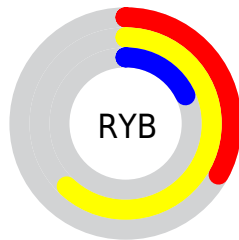
The CIELCh color **55, 46.893, 87.475** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **34, 51.158, 290.560**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 46.744, 87.932**, and **35, 43.356, 86.710** is the 20% darker color. If you saturate the color by 10%, you get **54, 52.125, 86.001**, and if you desaturate by 10%, it is **56, 40.789, 88.866**.

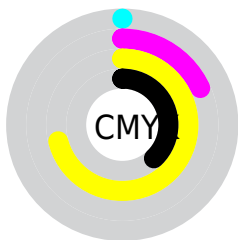
Distribution



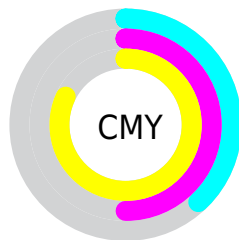
- Red (62%)
- Green (50%)
- Blue (18%)



- Red (33%)
- Yellow (62%)
- Blue (18%)



- Cyan (0%)
- Magenta (18%)
- Yellow (71%)
- Black (38%)



- Cyan (38%)
- Magenta (50%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 46.893, 87.475 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, 46.893, 87.475 by changing the saturation by 10% instead.

 55, 46.893, 87.475

 55, 46.893, 87.475

 100, 46.893,
87.475

 45, 46.893, 87.475

 75, 46.893, 87.475

 35, 46.893, 87.475

 85, 46.893, 87.475

 25, 46.893, 87.475

 95, 46.893, 87.475

 15, 46.893, 87.475

 5, 46.893, 87.475

 0, 46.893, 87.475

 55, 46.893, 87.475

 55, 46.893, 87.475

 54, 52.125, 86.001

 56, 40.789, 88.866

 53, 55.932, 84.356

 58, 34.222, 90.202

52, 58.304, 82.656

59, 27.445, 91.504

60, 20.606, 92.775

62, 13.788, 94.012

63, 7.032, 95.205

65, 0.361, 95.943

66, 6.218, 277.537

68, 12.703,
278.596

Harmonies

Complementary

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



55, 46.893, 87.475



34, 51.158, 290.560

Rectangle

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



55, 46.893, 87.475



55, 46.893, 137.475



55, 46.893, 267.475



55, 46.893, 317.475

Sweetspot

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



55, 46.893, 87.478



78, 17.410, 93.909



37, 48.615, 10.307



41, 11.774, 93.598



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



55, 46.893, 87.478



68, 66.241, 85.030



61, 57.900, 115.432



33, 3.777, 95.356



47, 54.339, 82.852



3, 4.746, 93.939

Inverse Universe

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



34, 51.158, 290.560



37, 77.835, 295.656



29, 69.585, 305.837



31, 3.802, 277.608



21, 69.136, 299.468



1, 5.002, 277.368

Previews

White Background



This preview shows how the CIELCh color 55, 46.893, 87.475 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, 46.893, 87.475 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, 46.893, 87.475

Background



This preview shows how black text looks on a background with the CIELCh color 55, 46.893, 87.475.



This preview shows how white text looks on a background with the CIELCh color 55, 46.893, 87.475.

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, 46.893, 87.475

Protanopia

55, 46.441, 95.754

Deuteranopia

55, 47.333, 80.962



Tritanopia
55, 18.674, 5.738

Trichromacy



Original Color
55, 46.893, 87.475

Protanomaly
55, 46.498, 92.813

Deuteranomaly
55, 46.900, 83.246

Tritanomaly
55, 22.372, 58.060

Monochromacy



Original Color
55, 46.893, 87.475

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 17.847, 92.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 46.893, 87.475 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(157, 128, 46)` looks like.

```
.text, #text, p{  
    color:rgb(157, 128, 46)  
}
```

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(157, 128, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 128, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 46.893, 87.475 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(157, 128, 46) }
```

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

```
.border{ border-color:rgb(157, 128, 46) }
```

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

Here you see how a box with a 4 pixel rgb(157, 128, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 128, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 128, 46);  
box-shadow:4px 4px 4px 4px rgb(157, 128,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 46.893, 87.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 128, 46) }
```

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

```
.background{ background-color: rgb(157,  
128, 46) }
```

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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