

Converting Colors

CIELCh(55, 31.901, 88.405)

Have a look what the booklet for
CIELCh(55, 31.901, 88.405) contains.

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Color

CIELCh(55, 31.720, 87.928)

Conversions

Conversions Part 1

Format	Color
Hex	97814C
RGB	151, 129, 76
RGB Percent	59%, 51%, 30%
CMY	0.4064, 0.4928, 0.7007
CMYK	0.00, 0.15, 0.50, 0.41
HSL	42°, 33%, 45%
HSV	42°, 50%, 59%
XYZ	22.0401, 22.9298, 10.1602
YIQ	129.5360, 30.1250, -11.8190

Conversions

Conversions Part 2

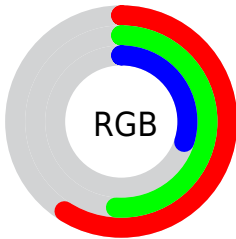
Format	Color
RYB	107, 151, 76
Decimal	9929036
CIELab	55.00, 1.15, 31.70
CIELCh	55, 31.720, 87.928
Yxy	22.9298, 0.3998, 0.4159
Android (android.graphics.Color)	4288119116 (0xFF97814C)
YUV	129.5360, -26.3932, 18.8239
Hunter-Lab	47.8851, -1.6408, 20.9396

Details

The CIELCh color **55, 31.720, 87.928** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **42, 32.363, 282.713**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 31.816, 88.018**, and **35, 31.927, 88.013** is the 20% darker color. If you saturate the color by 10%, you get **54, 38.065, 86.559**, and if you desaturate by 10%, it is **56, 25.242, 89.263**.

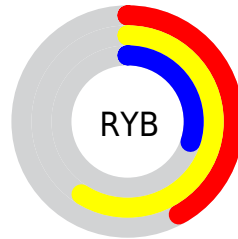
Distribution



Red (59%)

Green (51%)

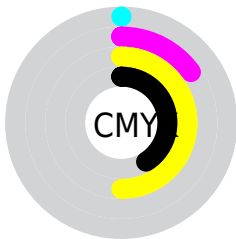
Blue (30%)



Red (42%)

Yellow (59%)

Blue (30%)

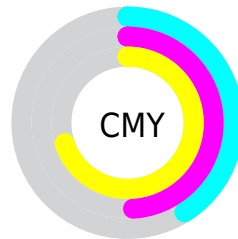


Cyan (0%)

Magenta (15%)

Yellow (50%)

Black (41%)



Cyan (41%)

Magenta (49%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 31.720, 87.928 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, 31.720, 87.928 by changing the saturation by 10% instead.

■ 55, 31.720, 87.928

■ 55, 31.720, 87.928

■ 100, 31.720,
87.928

■ 45, 31.720, 87.928

■ 75, 31.720, 87.928

■ 35, 31.720, 87.928

■ 85, 31.720, 87.928

■ 25, 31.720, 87.928

■ 95, 31.720, 87.928

■ 15, 31.720, 87.928

■ 5, 31.720, 87.928

■ 0, 31.720, 87.928

■ 55, 31.720, 87.928

■ 55, 31.720, 87.928

■ 54, 38.065, 86.559

■ 56, 25.242, 89.263

■ 52, 44.058, 85.124

■ 58, 18.754, 90.559

51, 49.333, 83.581

59, 12.321, 91.816

50, 53.362, 81.839

61, 5.975, 93.024

48, 56.117, 79.896

63, 0.270, 274.880

48, 56.242, 79.818

64, 6.410, 275.397

66, 12.449,
276.471

68, 18.390,
277.504

69, 24.240,
278.488

Harmonies

Complementary

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



55, 31.720, 87.928



42, 32.363, 282.713

Rectangle

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



55, 31.720, 87.928



55, 31.720, 137.928



55, 31.720, 267.928



55, 31.720, 317.928

Sweetspot

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



55, 31.720, 87.932



76, 11.630, 92.340



42, 33.961, 2.353



40, 8.011, 92.104



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



55, 31.720, 87.932



68, 46.591, 86.476



60, 41.224, 114.761



32, 3.556, 93.064



45, 53.219, 79.998



3, 3.780, 93.300

Inverse Universe

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



42, 32.363, 282.713



49, 48.232, 285.480



37, 46.466, 302.546



30, 3.570, 275.360



22, 65.106, 297.906



1, 3.849, 274.547

Previews

White Background



This preview shows how the CIELCh color 55, 31.720, 87.928 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, 31.720, 87.928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

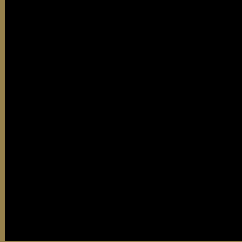
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 31.720, 87.928

Background



This preview shows how black text looks on a background with the CIELCh color 55, 31.720, 87.928.



This preview shows how white text looks on a background with the CIELCh color 55, 31.720, 87.928.

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, 31.720, 87.928

Protanopia

55, 31.421, 96.374

Deuteranopia

55, 32.267, 77.696



Tritanopia
55, 14.664, 0.635

Trichromacy



Original Color
55, 31.720, 87.928

Protanomaly
55, 31.335, 92.968

Deuteranomaly
55, 31.790, 80.951

Tritanomaly
55, 14.927, 50.169

Monochromacy



Original Color
55, 31.720, 87.928

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 11.934, 92.322

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 31.720, 87.928 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(151, 129, 76)` looks like.

```
.text, #text, p{  
    color:rgb(151, 129, 76)  
}
```

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(151, 129, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 129, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 31.720, 87.928 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(151, 129, 76) }
```

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

```
.border{ border-color:rgb(151, 129, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 129, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 129, 76); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 129, 76); box-shadow:4px 4px 4px 4px rgb(151, 129, 76) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 31.720, 87.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 129, 76) }
```

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

```
.background{ background-color: rgb(151,  
129, 76) }
```

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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