

Converting Colors

CIELCh(55, 20.093, 46.939)

Have a look what the booklet for
CIELCh(55, 20.093, 46.939) contains.

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Color

CIELCh(55, 19.991, 46.188)

Conversions

Conversions Part 1

Format	Color
Hex	A37A6B
RGB	163, 122, 107
RGB Percent	64%, 48%, 42%
CMY	0.3590, 0.5199, 0.5788
CMYK	0.00, 0.25, 0.34, 0.36
HSL	16°, 23%, 53%
HSV	16°, 34%, 64%
XYZ	24.8866, 22.9298, 17.1394
YIQ	132.5490, 29.2510, 4.0270

Conversions

Conversions Part 2

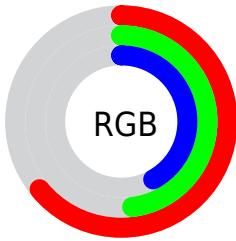
Format	Color
RYB	163, 127, 107
Decimal	10713707
CIELab	55.00, 13.84, 14.43
CIELCh	55, 19.991, 46.188
Yxy	22.9298, 0.3831, 0.3530
Android (android.graphics.Color)	4288903787 (0xFFA37A6B)
YUV	132.5490, -12.5957, 26.7055
Hunter-Lab	47.8851, 8.9702, 12.2980

Details

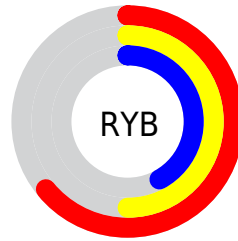
The CIELCh color $55, 19.991, 46.188$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $59, 16.058, 230.548$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 20.056, 47.525$, and $35, 19.961, 45.252$ is the 20% darker color. If you saturate the color by 10%, you get $52, 26.862, 46.028$, and if you desaturate by 10%, it is $58, 13.610, 46.481$.

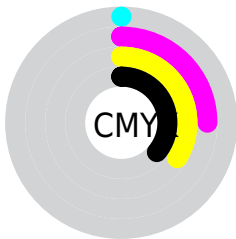
Distribution



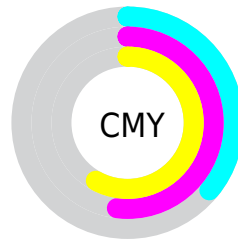
- Red (64%)
- Green (48%)
- Blue (42%)



- Red (64%)
- Yellow (50%)
- Blue (42%)



- Cyan (0%)
- Magenta (25%)
- Yellow (34%)
- Black (36%)



- Cyan (36%)
- Magenta (52%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 19.991, 46.188 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, 19.991, 46.188 by changing the saturation by 10% instead.

■ 55, 19.991, 46.188

■ 55, 19.991, 46.188

■ 100, 19.991,
46.188

■ 45, 19.991, 46.188

■ 75, 19.991, 46.188

■ 35, 19.991, 46.188

■ 85, 19.991, 46.188

■ 25, 19.991, 46.188

■ 95, 19.991, 46.188

■ 15, 19.991, 46.188

■ 5, 19.991, 46.188

■ 0, 19.991, 46.188

■ 55, 19.991, 46.188

■ 55, 19.991, 46.188

■ 52, 26.862, 46.028

■ 58, 13.610, 46.481

■ 48, 34.220, 46.003

■ 62, 7.699, 46.852

45, 42.006, 46.125

66, 2.222, 47.181

43, 50.053, 46.349

69, 2.864, 228.066

40, 57.974, 46.519

73, 7.600, 228.532

38, 64.935, 46.243

77, 12.027,
229.098

37, 68.697, 46.264

80, 16.183,
229.688

84, 20.101,
230.285

88, 23.810,
230.882

Harmonies

Complementary

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



55, 19.991, 46.188



59, 16.058, 230.548

Rectangle

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



55, 19.991, 46.188



55, 19.991, 96.188



55, 19.991, 226.188



55, 19.991, 276.188

Sweetspot

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



55, 19.990, 46.195



80, 6.547, 47.013



53, 31.735, 335.335



42, 4.526, 46.961



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



55, 19.990, 46.195



67, 30.387, 46.057



62, 24.504, 94.258



33, 2.986, 47.048



33, 62.679, 46.472



2, 4.541, 44.526

Inverse Universe

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



59, 16.058, 230.548



73, 23.066, 231.596



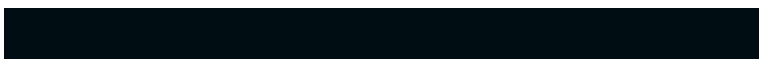
51, 25.258, 283.356



33, 2.836, 228.244



42, 30.556, 248.883



3, 4.474, 234.429

Previews

White Background



This preview shows how the CIELCh color 55, 19.991, 46.188 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 CIE LCh color 55, 19.991, 46.188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

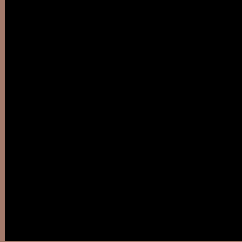
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 19.991, 46.188

Background



This preview shows how black text looks on a background with the CIELCh color 55, 19.991, 46.188.



This preview shows how white text looks on a background with the CIELCh color 55, 19.991, 46.188.

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, 19.991, 46.188

Protanopia

55, 11.787, 94.329

Deuteranopia

55, 16.154, 64.783



Tritanopia
55, 20.006, 5.326

Trichromacy



Original Color
55, 19.991, 46.188

Protanomaly
55, 13.614, 72.315

Deuteranomaly
55, 17.438, 56.331

Tritanomaly
55, 18.863, 19.826

Monochromacy



Original Color
55, 19.991, 46.188

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 6.778, 44.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 19.991, 46.188 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(163, 122, 107)` looks like.

```
.text, #text, p{  
    color:rgb(163, 122, 107)  
}
```

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(163, 122, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 122, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 19.991, 46.188 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(163, 122, 107) }
```

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

```
.border{ border-color:rgb(163, 122, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 122, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 122, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 122, 107);  
box-shadow:4px 4px 4px 4px rgb(163, 122,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 19.991, 46.188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 122, 107) }
```

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

```
.background{ background-color: rgb(163,  
122, 107) }
```

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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