

Converting Colors

CIELCh(55, 12.500, 4.210)

Have a look what the booklet for
CIELCh(55, 12.500, 4.210) contains.

CIELCh(55, 12.646, 5.146)	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, 12.646, 5.146)

Conversions

Conversions Part 1

Format	Color
Hex	9A7C82
RGB	154, 124, 130
RGB Percent	60%, 49%, 51%
CMY	0.3957, 0.5134, 0.4899
CMYK	0.00, 0.19, 0.16, 0.40
HSL	348°, 13%, 55%
HSV	348°, 19%, 60%
XYZ	24.5972, 22.9298, 24.2791
YIQ	133.6540, 15.9540, 8.2260

Conversions

Conversions Part 2

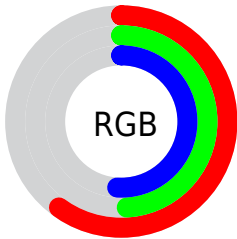
Format	Color
RYB	154, 124, 130
Decimal	10124418
CIELab	55.00, 12.60, 1.13
CIElCh	55, 12.646, 5.146
Yxy	22.9298, 0.3426, 0.3193
Android (android.graphics.Color)	4288314498 (0xFF9A7C82)
YUV	133.6540, -1.8014, 17.8434
Hunter-Lab	47.8851, 7.8915, 3.4579

Details

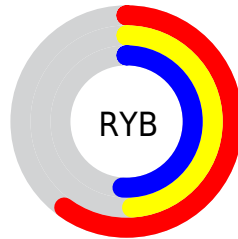
The CIELCh color $55, 12.646, 5.146$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $61, 11.712, 181.563$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 12.579, 5.658$, and $35, 12.500, 4.210$ is the 20% darker color. If you saturate the color by 10%, you get $51, 19.577, 6.426$, and if you desaturate by 10%, it is $59, 5.998, 4.053$.

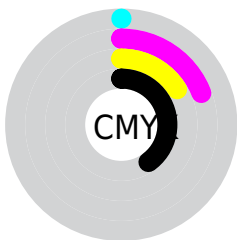
Distribution



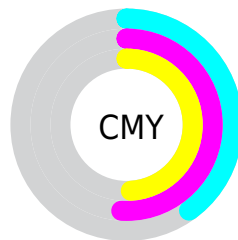
- Red (60%)
- Green (49%)
- Blue (51%)



- Red (60%)
- Yellow (49%)
- Blue (51%)



- Cyan (0%)
- Magenta (19%)
- Yellow (16%)
- Black (40%)



- Cyan (40%)
- Magenta (51%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 12.646, 5.146 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, 12.646, 5.146 by changing the saturation by 10% instead.

 55, 12.646, 5.146  55, 12.646, 5.146

 100, 12.646, 5.146  45, 12.646, 5.146

 75, 12.646, 5.146  35, 12.646, 5.146

 85, 12.646, 5.146  25, 12.646, 5.146

 95, 12.646, 5.146  15, 12.646, 5.146

 5, 12.646, 5.146

 0, 12.646, 5.146

 55, 12.646, 5.146  55, 12.646, 5.146

 51, 19.577, 6.426  59, 5.998, 4.053

 47, 26.711, 7.962  64, 0.324, 184.515

■ 43, 33.898, 9.852

■ 68, 6.311, 182.494

■ 40, 40.920, 12.215

■ 73, 11.976,
181.770

■ 37, 47.512, 15.194

■ 78, 17.339,
181.144

■ 34, 53.425, 18.922

■ 33, 58.526, 23.456

■ 82, 22.425,
180.586

■ 32, 63.094, 28.376

■ 87, 27.260,
180.084

■ 32, 63.346, 28.615

■ 91, 31.871,
179.627

■ 94, 32.792,
184.608

Harmonies

Complementary

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



55, 12.646, 5.146



61, 11.712, 181.563

Rectangle

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



55, 12.646, 5.146



55, 12.646, 55.146



55, 12.646, 185.146



55, 12.646, 235.146

Sweetspot

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



55, 12.644, 5.151



78, 4.687, 3.694



55, 19.542, 319.648



41, 3.138, 3.759



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, 12.644, 5.151



69, 18.758, 5.634



57, 10.111, 50.330



30, 3.556, 4.026



29, 58.895, 28.114



1, 3.753, 3.509

Inverse Universe

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



55, 12.644, 5.151



69, 18.758, 5.634



59, 9.069, 233.219



30, 3.556, 4.026



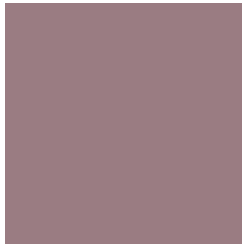
29, 58.895, 28.114



1, 3.753, 3.509

Previews

White Background



This preview shows how the CIELCh color 55, 12.646, 5.146 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, 12.646, 5.146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

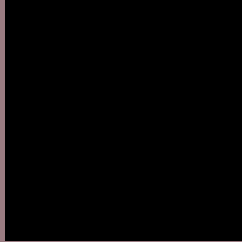
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 12.646, 5.146

Background



This preview shows how black text looks on a background with the CIELCh color 55, 12.646, 5.146.



This preview shows how white text looks on a background with the CIELCh color 55, 12.646, 5.146.

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, 12.646, 5.146

Protanopia

55, 1.908, 314.691

Deuteranopia

55, 6.898, 15.353



Tritanopia
55, 13.121, 357.868

Trichromacy



Original Color
55, 12.646, 5.146

Protanomaly
55, 5.934, 351.131

Deuteranomaly
55, 8.592, 12.682

Tritanomaly
55, 12.938, 0.231

Monochromacy



Original Color
55, 12.646, 5.146

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 4.717, 358.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 12.646, 5.146 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(154, 124, 130)` looks like.

```
.text, #text, p{  
    color:rgb(154, 124, 130)  
}
```

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(154, 124, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 124, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 12.646, 5.146 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(154, 124, 130) }
```

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

```
.border{ border-color:rgb(154, 124, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 124, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 124, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 124, 130);  
box-shadow:4px 4px 4px 4px rgb(154, 124,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 12.646, 5.146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 124, 130) }
```

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

```
.background{ background-color: rgb(154,  
124, 130) }
```

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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