

Converting Colors

CIELCh(44, 10.441, 122.987)

Have a look what the booklet for
CIELCh(44, 10.441, 122.987)
contains.

CIELCh(44, 10.458, 122.980)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(44, 10.458, 122.980)

Conversions

Conversions Part 1

Format	Color
Hex	646A59
RGB	100, 106, 89
RGB Percent	39%, 42%, 35%
CMY	0.6065, 0.5829, 0.6496
CMYK	0.06, 0.00, 0.16, 0.58
HSL	81°, 9%, 38%
HSV	81°, 16%, 42%
XYZ	12.3032, 13.8382, 11.5500
YIQ	102.2680, 1.8810, -6.5590

Conversions

Conversions Part 2

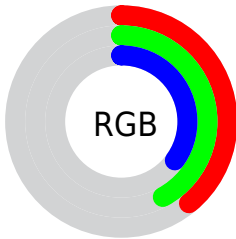
Format	Color
RYB	89, 106, 95
Decimal	6580825
CIELab	44.00, -5.69, 8.77
CIElCh	44, 10.458, 122.980
Yxy	13.8382, 0.3264, 0.3671
Android (android.graphics.Color)	4284770905 (0xFF646A59)
YUV	102.2680, -6.5411, -1.9890
Hunter-Lab	37.1997, -6.0635, 7.6311

Details

The CIELCh color $44, 10.458, 122.980$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $39, 10.745, 304.621$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 10.282, 122.446$, and $24, 10.900, 123.377$ is the 20% darker color. If you saturate the color by 10%, you get $43, 16.963, 122.466$, and if you desaturate by 10%, it is $45, 3.918, 123.495$.

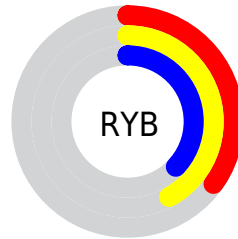
Distribution



Red (39%)

Green (42%)

Blue (35%)



Red (35%)

Yellow (42%)

Blue (37%)

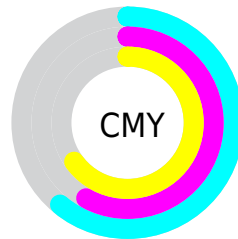


Cyan (6%)

Magenta (0%)

Yellow (16%)

Black (58%)



Cyan (61%)


Magenta (58%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 10.458, 122.980 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 44, 10.458, 122.980 by changing the saturation by 10% instead.


 44, 10.458,
122.980


 44, 10.458,
122.980


 100, 10.458,
122.980


 34, 10.458,
122.980

 64, 10.458,
122.980


 24, 10.458,
122.980

 74, 10.458,
122.980

 14, 10.458,
122.980


 84, 10.458,
122.980

 4, 10.458, 122.980

 94, 10.458,
122.980

 0, 10.458, 122.980

 44, 10.458,

 44, 10.458,

122.980

122.980

■ 43, 16.963,
122.466

■ 45, 3.918, 123.495

■ 43, 23.376,
121.955

■ 45, 2.624, 303.951

■ 46, 9.140, 304.419

■ 42, 29.623,
121.473

■ 47, 15.609,
304.847

■ 42, 35.594,
121.059

■ 47, 22.019,
305.245

■ 42, 41.132,
120.769

■ 48, 28.357,
305.611

■ 41, 46.022,
120.680

■ 49, 34.616,
305.947

■ 41, 50.009,
120.890

■ 50, 40.790,
306.256

■ 41, 53.077,
121.391

■ 51, 46.877,

■ 41, 54.317,
121.551

306.538

Harmonies

Complementary

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



44, 10.458, 122.980



39, 10.745, 304.621

Rectangle

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



44, 10.458, 122.980



44, 10.458, 172.980



44, 10.458, 302.980



44, 10.458, 352.980

Sweetspot

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



44, 10.459, 122.984



57, 4.038, 123.539



41, 6.012, 56.447



29, 2.735, 123.513



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



44, 10.459, 122.984



56, 15.351, 122.802



43, 11.910, 139.532



22, 3.695, 123.343



45, 58.300, 121.719



88, 100.971, 122.613

Inverse Universe

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



39, 10.745, 304.621



49, 15.864, 304.830



40, 11.977, 320.969



20, 3.755, 304.226



14, 72.116, 309.489



35, 124.971, 308.908

Previews

White Background



This preview shows how the CIELCh color 44, 10.458, 122.980 looks on a white 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

Black Background



This preview shows how the CIE LCh color 44, 10.458, 122.980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

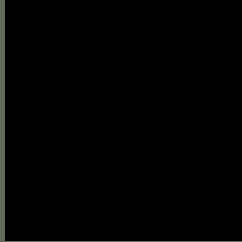
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

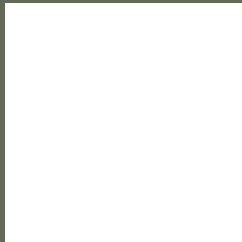
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 10.458, 122.980

Background



This preview shows how black text looks on a background with the CIELCh color 44, 10.458, 122.980.



This preview shows how white text looks on a background with the CIELCh color 44, 10.458, 122.980.

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


44, 10.458, 122.980

Protanopia

44, 9.777, 95.853

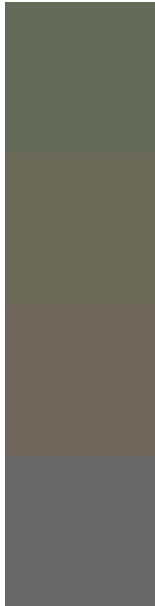
Deuteranopia

44, 9.980, 52.593



Tritanopia
44, 4.824, 295.635

Trichromacy



Original Color
44, 10.458, 122.980

Protanomaly
44, 10.122, 106.243

Deuteranomaly
44, 8.405, 77.789

Tritanomaly
44, 0.726, 144.613

Monochromacy



Original Color
44, 10.458, 122.980

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 3.689, 122.769

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 10.458, 122.980 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(100, 106, 89)` looks like.

```
.text, #text, p{  
    color:rgb(100, 106, 89)  
}
```

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(100, 106, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 106, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 10.458, 122.980 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(100, 106, 89) }
```

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

```
.border{ border-color:rgb(100, 106, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 106, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 106, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 106, 89);  
box-shadow:4px 4px 4px 4px rgb(100, 106,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 10.458, 122.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 106, 89) }
```

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

```
.background{ background-color: rgb(100,  
106, 89) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor