

Converting Colors

CIELCh(53, 13.417, 233.989)

Have a look what the booklet for
CIELCh(53, 13.417, 233.989)
contains.

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Color

CIELCh(53, 13.622, 235.255)

Conversions

Conversions Part 1

Format	Color
Hex	638391
RGB	99, 131, 145
RGB Percent	39%, 51%, 57%
CMY	0.6105, 0.4850, 0.4301
CMYK	0.32, 0.10, 0.00, 0.43
HSL	198°, 19%, 48%
HSV	198°, 32%, 57%
XYZ	18.4778, 21.0462, 30.0116
YIQ	123.0280, -23.5660, -2.4300

Conversions

Conversions Part 2

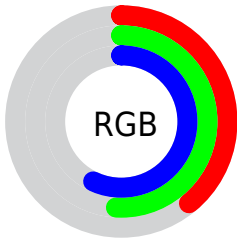
Format	Color
R _{YB}	99, 118, 145
Decimal	6521745
CIE Lab	53.00, -7.76, -11.19
CIE LCh	53, 13.622, 235.255
Yxy	21.0462, 0.2657, 0.3027
Android (android.graphics.Color)	4284711825 (0xFF638391)
YUV	123.0280, 10.8322, -21.0726
Hunter-Lab	45.8761, -8.3877, -6.6735

Details

The CIELCh color $53, 13.622, 235.255$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $51, 16.385, 50.215$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 13.677, 235.462$, and $33, 13.706, 235.183$ is the 20% darker color. If you saturate the color by 10%, you get $51, 17.372, 236.808$, and if you desaturate by 10%, it is $55, 9.570, 234.020$.

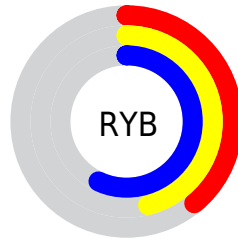
Distribution



Red (39%)

Green (51%)

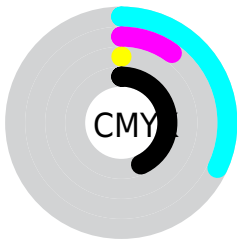
Blue (57%)



Red (39%)

Yellow (46%)

Blue (57%)

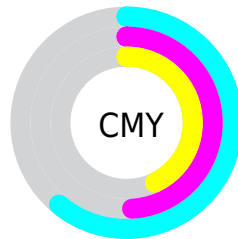


Cyan (32%)

Magenta (10%)

Yellow (0%)

Black (43%)



Cyan (61%)


Magenta (49%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 13.622, 235.255 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 53, 13.622, 235.255 by changing the saturation by 10% instead.


 53, 13.622,
235.255


 53, 13.622,
235.255


 100, 13.622,
235.255


 43, 13.622,
235.255


 73, 13.622,
235.255

 33, 13.622,
235.255

 83, 13.622,
235.255

 23, 13.622,
235.255

 93, 13.622,
235.255

 13, 13.622,
235.255

 3, 13.622, 235.255

 0, 13.622, 235.255

■ 53, 13.622,
235.255

■ 53, 13.622,
235.255

■ 51, 17.372,
236.808

■ 55, 9.570, 234.020

■ 49, 20.774,
238.762

■ 58, 5.269, 233.068

■ 60, 0.766, 232.728

■ 47, 23.791,
241.195

■ 62, 3.893, 51.487

■ 45, 26.409,
244.191

■ 65, 8.671, 51.050

■ 67, 13.536, 50.675

■ 43, 28.652,
247.816

■ 70, 18.461, 50.371

■ 42, 30.589,
252.089

■ 72, 23.424, 50.128

■ 75, 28.407, 49.933

■ 40, 32.141,
255.865

Harmonies

Complementary

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



53, 13.622, 235.255



51, 16.385, 50.215

Rectangle

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



53, 13.622, 235.255



53, 13.622, 285.255



53, 13.622, 55.255



53, 13.622, 105.255

Sweetspot

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



53, 13.622, 235.251



74, 5.058, 232.877



56, 25.773, 151.779



38, 3.494, 232.976



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



53, 13.622, 235.251



66, 19.795, 236.323



46, 21.975, 284.785



29, 2.528, 232.875



37, 30.394, 255.496



1, 1.738, 232.113

Inverse Universe

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



48, 25.976, 336.708



58, 38.442, 337.285



57, 21.196, 96.803



28, 4.531, 335.037



29, 57.715, 344.641



1, 3.038, 334.461

Previews

White Background



This preview shows how the CIE LCh color 53, 13.622, 235.255 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 53, 13.622, 235.255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

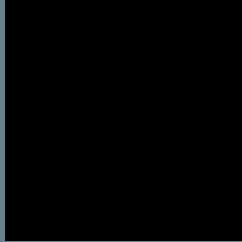
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

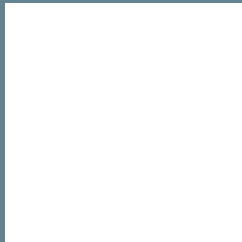
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 13.622, 235.255

Background



This preview shows how black text looks on a background with the CIELCh color 53, 13.622, 235.255.



This preview shows how white text looks on a background with the CIELCh color 53, 13.622, 235.255.

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

53, 13.622, 235.255

Protanopia

53, 9.273, 289.000

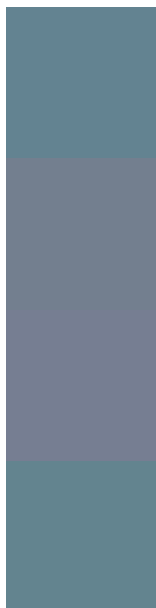
Deuteranopia

53, 14.083, 299.483



Tritanopia
53, 12.905, 225.186

Trichromacy



Original Color
53, 13.622, 235.255

Protanomaly
53, 10.152, 265.511

Deuteranomaly
53, 11.874, 277.308

Tritanomaly
53, 13.115, 227.614

Monochromacy



Original Color
53, 13.622, 235.255

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 5.375, 231.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 13.622, 235.255 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(99, 131, 145)` looks like.

```
.text, #text, p{  
    color:rgb(99, 131, 145)  
}
```

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(99, 131, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 131, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 13.622, 235.255 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(99, 131, 145) }
```

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

```
.border{ border-color:rgb(99, 131, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 131, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 131, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 131, 145);  
box-shadow:4px 4px 4px 4px rgb(99, 131,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 13.622, 235.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 131, 145) }
```

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

```
.background{ background-color: rgb(99, 131,  
145) }
```

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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