

Converting Colors

CIELCh(51, 12.291, 238.092)

Have a look what the booklet for
CIELCh(51, 12.291, 238.092)
contains.

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Color

CIELCh(51, 12.341, 236.688)

Conversions

Conversions Part 1

Format	Color
Hex	627E8B
RGB	98, 126, 139
RGB Percent	38%, 49%, 55%
CMY	0.6170, 0.5072, 0.4562
CMYK	0.30, 0.09, 0.00, 0.46
HSL	199°, 17%, 46%
HSV	199°, 30%, 54%
XYZ	17.0548, 19.2686, 27.1162
YIQ	119.1100, -20.8610, -1.8930

Conversions

Conversions Part 2

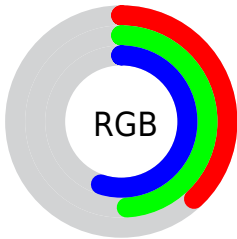
Format	Color
R_{YB}	98, 115, 139
Decimal	6454923
CIE _{Lab}	51.00, -6.78, -10.31
CIE _{LCh}	51, 12.341, 236.688
Yxy	19.2686, 0.2688, 0.3037
Android (android.graphics.Color)	4284645003 (0xFF627E8B)
YUV	119.1100, 9.8058, -18.5135
Hunter-Lab	43.8960, -7.4659, -5.8983

Details

The CIELCh color $51, 12.341, 236.688$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $49, 14.559, 51.719$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 12.114, 234.786$, and $31, 12.227, 237.260$ is the 20% darker color. If you saturate the color by 10%, you get $49, 16.047, 238.224$, and if you desaturate by 10%, it is $53, 8.368, 235.460$.

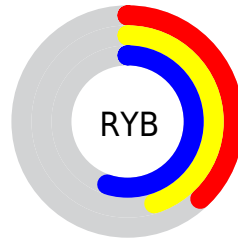
Distribution



Red (38%)

Green (49%)

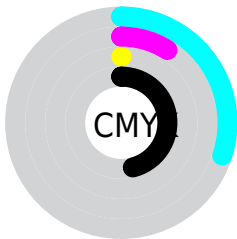
Blue (55%)



Red (38%)

Yellow (45%)

Blue (55%)

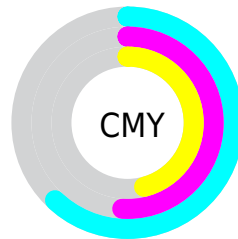


Cyan (30%)

Magenta (9%)

Yellow (0%)

Black (46%)



Cyan (62%)

Magenta (51%)

Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 12.341, 236.688 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 51, 12.341, 236.688 by changing the saturation by 10% instead.

 51, 12.341,
236.688


 51, 12.341,
236.688


 100, 12.341,
236.688


 41, 12.341,
236.688


 71, 12.341,
236.688

 31, 12.341,
236.688

 81, 12.341,
236.688

 21, 12.341,
236.688

 91, 12.341,
236.688

 11, 12.341,
236.688

 1, 12.341, 236.688

 0, 12.341, 236.688

■ 51, 12.341,
236.688

■ 51, 12.341,
236.688

■ 49, 16.047,
238.224

■ 53, 8.368, 235.460

■ 47, 19.443,
240.148

■ 56, 4.176, 234.515

■ 58, 0.192, 51.654

■ 45, 22.494,
242.535

■ 60, 4.695, 52.914

■ 43, 25.182,
245.467

■ 63, 9.301, 52.443

■ 65, 13.981, 52.045

■ 41, 27.525,
249.010

■ 68, 18.711, 51.718

■ 39, 29.581,
253.190

■ 70, 23.471, 51.452

■ 73, 28.246, 51.234

■ 38, 31.529,
257.718

■ 38, 31.618,

257.908

Harmonies

Complementary

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



51, 12.341, 236.688



49, 14.559, 51.719

Rectangle

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



51, 12.341, 236.688



51, 12.341, 286.688



51, 12.341, 56.688



51, 12.341, 106.688

Sweetspot

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



51, 12.341, 236.683



71, 4.891, 234.486



54, 22.882, 152.649



37, 3.417, 234.591



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 12.341, 236.683



64, 17.854, 237.598



45, 20.075, 285.339



28, 2.453, 234.482



36, 30.545, 257.671



1, 1.158, 233.678

Inverse Universe

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



46, 23.148, 337.083



57, 34.015, 337.586



55, 19.347, 98.098



27, 4.356, 335.557



29, 56.503, 345.510



0, 2.007, 334.978

Previews

White Background



This preview shows how the CIELCh color 51, 12.341, 236.688 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 51, 12.341, 236.688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

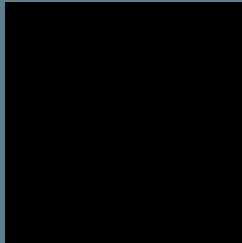
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

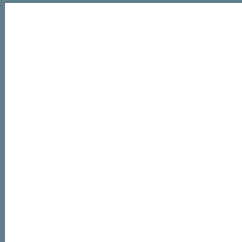
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 12.341, 236.688

Background



This preview shows how black text looks on a background with the CIELCh color 51, 12.341, 236.688.

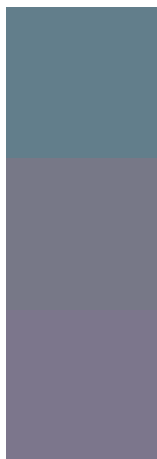


This preview shows how white text looks on a background with the CIELCh color 51, 12.341, 236.688.

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


51, 12.341, 236.688

Protanopia

51, 8.758, 288.811

Deuteranopia

51, 13.094, 301.759



Tritanopia
51, 11.803, 228.264

Trichromacy



Original Color
51, 12.341, 236.688

Protanomaly
51, 9.039, 264.193

Deuteranomaly
51, 11.318, 278.349

Tritanomaly
51, 12.047, 230.864

Monochromacy



Original Color
51, 12.341, 236.688

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 4.793, 236.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 12.341, 236.688 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(98, 126, 139)` looks like.

```
.text, #text, p{  
    color:rgb(98, 126, 139)  
}
```

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(98, 126, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 126, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 12.341, 236.688 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(98, 126, 139) }
```

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

```
.border{ border-color:rgb(98, 126, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 126, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 126, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 126, 139);  
box-shadow:4px 4px 4px 4px rgb(98, 126,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 12.341, 236.688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 126, 139) }
```

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

```
.background{ background-color: rgb(98, 126,  
139) }
```

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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