

Converting Colors

CIELCh(44, 11.987, 251.288)

Have a look what the booklet for
CIELCh(44, 11.987, 251.288)
contains.

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Color

CIELCh(44, 12.041, 251.941)

Conversions

Conversions Part 1

Format	Color
Hex	566B7B
RGB	86, 107, 123
RGB Percent	34%, 42%, 48%
CMY	0.6639, 0.5816, 0.5189
CMYK	0.30, 0.13, 0.00, 0.52
HSL	206°, 18%, 41%
HSV	206°, 30%, 48%
XYZ	12.5915, 13.8382, 20.6436
YIQ	102.5450, -17.6520, 0.5240

Conversions

Conversions Part 2

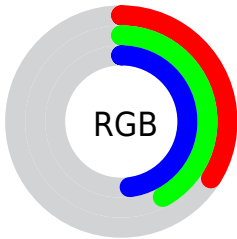
Format	Color
R_{YB}	86, 99, 123
Decimal	5663611
CIE _{Lab}	44.00, -3.73, -11.45
CIE _{LCh}	44, 12.041, 251.941
Yxy	13.8382, 0.2675, 0.2940
Android (android.graphics.Color)	4283853691 (0xFF566B7B)
YUV	102.5450, 10.0843, -14.5100
Hunter-Lab	37.1997, -4.6803, -6.8626

Details

The CIELCh color $44, 12.041, 251.941$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 13.491, 64.568$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 11.838, 252.478$, and $24, 11.836, 250.604$ is the 20% darker color. If you saturate the color by 10%, you get $42, 15.795, 253.891$, and if you desaturate by 10%, it is $46, 8.151, 250.314$.

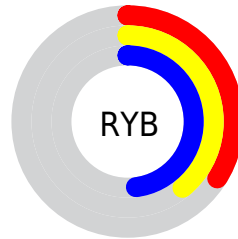
Distribution



Red (34%)

Green (42%)

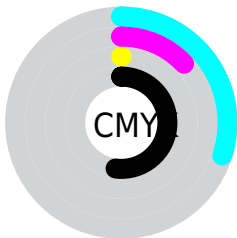
Blue (48%)



Red (34%)

Yellow (39%)

Blue (48%)

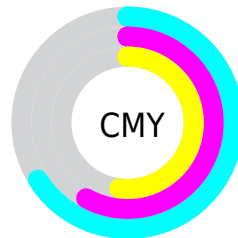


Cyan (30%)

Magenta (13%)

Yellow (0%)

Black (52%)



Cyan (66%)


Magenta (58%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 12.041, 251.941 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, 12.041, 251.941 by changing the saturation by 10% instead.


 44, 12.041,
251.941


 44, 12.041,
251.941


 100, 12.041,
251.941


 34, 12.041,
251.941


 64, 12.041,
251.941


 24, 12.041,
251.941

 74, 12.041,
251.941


 14, 12.041,
251.941


 84, 12.041,
251.941

 4, 12.041, 251.941

 94, 12.041,
251.941

 0, 12.041, 251.941

 44, 12.041,

 44, 12.041,

251.941

■ 42, 15.795,
253.891

■ 39, 19.397,
256.236

■ 37, 22.835,
259.031

■ 35, 26.120,
262.327

■ 33, 29.282,
266.142

■ 31, 32.383,
270.434

■ 29, 35.516,
274.685

251.941

■ 46, 8.151, 250.314

■ 49, 4.152, 248.983

■ 51, 0.066, 252.241

■ 54, 4.085, 66.726

■ 57, 8.280, 65.941

■ 59, 12.502, 65.250

■ 62, 16.737, 64.649

■ 64, 20.974, 64.127

■ 67, 25.202, 63.668

Harmonies

Complementary

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



44, 12.041, 251.941



45, 13.491, 64.568

Rectangle

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



44, 12.041, 251.941



44, 12.041, 301.941



44, 12.041, 71.941



44, 12.041, 121.941

Sweetspot

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



44, 12.040, 251.937



63, 4.595, 248.876



48, 19.531, 156.906



33, 3.214, 249.020



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



44, 12.040, 251.937



55, 17.749, 253.216



39, 20.809, 290.312



24, 2.302, 248.858



29, 36.043, 274.786



59, 63.525, 277.597

Inverse Universe

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



41, 19.777, 342.630



51, 29.433, 343.292



50, 19.655, 103.585



24, 3.637, 340.807



26, 51.129, 354.482



55, 85.361, 356.487

Previews

White Background



This preview shows how the CIE LCh color 44, 12.041, 251.941 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 CIELCh color 44, 12.041, 251.941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

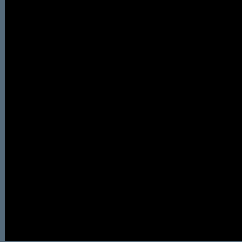
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

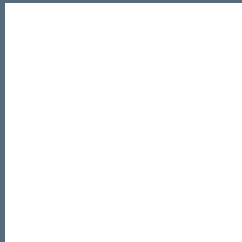
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 12.041, 251.941

Background



This preview shows how black text looks on a background with the CIELCh color 44, 12.041, 251.941.

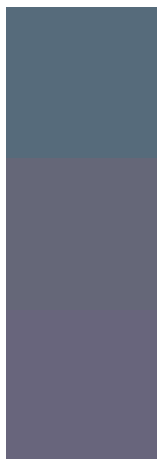


This preview shows how white text looks on a background with the CIELCh color 44, 12.041, 251.941.

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, 12.041, 251.941

Protanopia

44, 10.208, 287.313

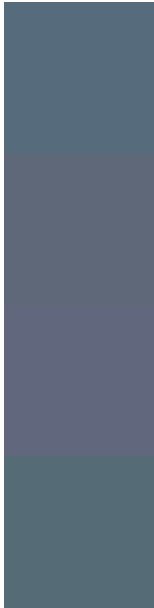
Deuteranopia

44, 13.889, 296.837



Tritanopia
44, 10.024, 227.247

Trichromacy



Original Color
44, 12.041, 251.941

Protanomaly
44, 10.651, 273.048

Deuteranomaly
44, 12.738, 281.820

Tritanomaly
44, 10.264, 234.508

Monochromacy



Original Color
44, 12.041, 251.941

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 4.738, 248.829

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 12.041, 251.941 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(86, 107, 123)` looks like.

```
.text, #text, p{  
    color:rgb(86, 107, 123)  
}
```

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(86, 107, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 107, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 12.041, 251.941 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(86, 107, 123) }
```

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

```
.border{ border-color:rgb(86, 107, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 107, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 107, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 107, 123);  
box-shadow:4px 4px 4px 4px rgb(86, 107,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 12.041, 251.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 107, 123) }
```

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

```
.background{ background-color: rgb(86, 107,  
123) }
```

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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