

Converting Colors

CIELCh(44, 12.262, 250.703)

Have a look what the booklet for
CIELCh(44, 12.262, 250.703)
contains.

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Color

CIELCh(44, 12.248, 250.663)

Conversions

Conversions Part 1

Format	Color
Hex	556B7B
RGB	85, 107, 123
RGB Percent	33%, 42%, 48%
CMY	0.6672, 0.5809, 0.5182
CMYK	0.31, 0.13, 0.00, 0.52
HSL	205°, 18%, 41%
HSV	205°, 31%, 48%
XYZ	12.5437, 13.8382, 20.7026
YIQ	102.2460, -18.2480, 0.3120

Conversions

Conversions Part 2

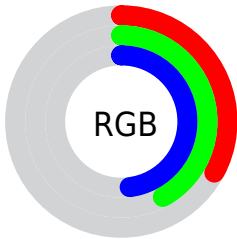
Format	Color
R_{YB}	85, 99, 123
Decimal	5598075
CIE _{Lab}	44.00, -4.06, -11.56
CIE _{LCh}	44, 12.248, 250.663
Yxy	13.8382, 0.2664, 0.2939
Android (android.graphics.Color)	4283788155 (0xFF556B7B)
YUV	102.2460, 10.2317, -15.1247
Hunter-Lab	37.1997, -4.9097, -6.9565

Details

The CIELCh color `44, 12.248, 250.663` is a dark color, and the websafe version is hex `666666`. A complement of this color would be `44, 13.850, 63.241`, and the grayscale version is `43, 0.006, 296.813`.

A 20% lighter version of the original color is `64, 12.042, 251.183`, and `24, 12.035, 249.391` is the 20% darker color. If you saturate the color by 10%, you get `42, 15.942, 252.617`, and if you desaturate by 10%, it is `46, 8.406, 249.039`.

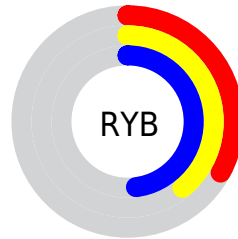
Distribution



Red (33%)

Green (42%)

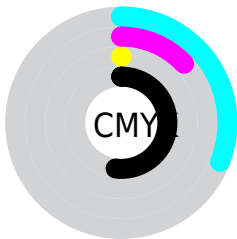
Blue (48%)



Red (33%)

Yellow (39%)

Blue (48%)

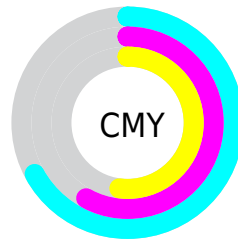


Cyan (31%)

Magenta (13%)

Yellow (0%)

Black (52%)



Cyan (67%)

Magenta (58%)

Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 12.248, 250.663 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, 12.248, 250.663 by changing the saturation by 10% instead.

 44, 12.248,
250.663

 44, 12.248,
250.663

 100, 12.248,
250.663

 34, 12.248,
250.663

 64, 12.248,
250.663

 24, 12.248,
250.663

 74, 12.248,
250.663

 14, 12.248,
250.663


 84, 12.248,
250.663

 4, 12.248, 250.663

 94, 12.248,
250.663

 0, 12.248, 250.663

 44, 12.248,

 44, 12.248,

250.663

■ 42, 15.942,
252.617

■ 39, 19.468,
254.971

■ 37, 22.817,
257.785

■ 35, 25.996,
261.110

■ 33, 29.039,
264.965

■ 31, 32.008,
269.309

■ 29, 34.774,
273.241

250.663

■ 46, 8.406, 249.039

■ 49, 4.443, 247.711

■ 51, 0.384, 247.287

■ 54, 3.748, 65.469

■ 56, 7.932, 64.702

■ 59, 12.148, 64.025

■ 61, 16.383, 63.439

■ 64, 20.622, 62.930

■ 67, 24.858, 62.486

Harmonies

Complementary

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



44, 12.248, 250.663



44, 13.850, 63.241

Rectangle

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



44, 12.248, 250.663



44, 12.248, 300.663



44, 12.248, 70.663



44, 12.248, 120.663

Sweetspot

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



44, 12.247, 250.659



63, 4.568, 247.515



48, 20.049, 156.827



33, 3.194, 247.656



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, 12.247, 250.659



55, 18.043, 251.988



38, 21.400, 290.432



24, 2.289, 247.497



30, 35.248, 273.335



60, 62.041, 276.179

Inverse Universe

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



41, 20.460, 342.119



50, 30.455, 342.798



50, 20.178, 103.505



24, 3.666, 340.250



26, 51.360, 353.523



55, 85.709, 355.450

Previews

White Background



This preview shows how the CIELCh color 44, 12.248, 250.663 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, 12.248, 250.663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

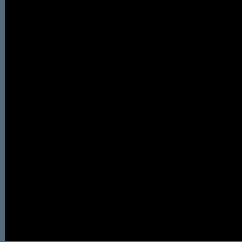
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

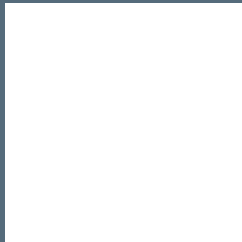
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 12.248, 250.663

Background



This preview shows how black text looks on a background with the CIELCh color 44, 12.248, 250.663.

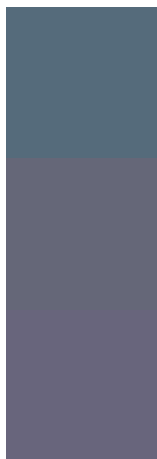


This preview shows how white text looks on a background with the CIELCh color 44, 12.248, 250.663.

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, 12.248, 250.663

Protanopia

44, 10.208, 287.313

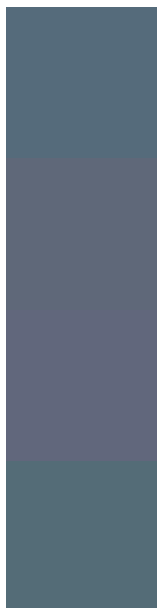
Deuteranopia

44, 13.889, 296.837



Tritanopia
44, 10.562, 229.390

Trichromacy



Original Color
44, 12.248, 250.663

Protanomaly
44, 10.651, 273.048

Deuteranomaly
44, 12.738, 281.820

Tritanomaly
44, 10.844, 236.234

Monochromacy



Original Color
44, 12.248, 250.663

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, 12.248, 250.663 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(85, 107, 123)` looks like.

```
.text, #text, p{  
    color:rgb(85, 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(85, 107, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 107, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 12.248, 250.663 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(85, 107, 123) }
```

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

```
.border{ border-color:rgb(85, 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(85, 107, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 107, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 107, 123);  
box-shadow:4px 4px 4px 4px rgb(85, 107,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 12.248, 250.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 107, 123) }
```

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

```
.background{ background-color: rgb(85, 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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