

Converting Colors

CIELCh(44, 27.826, 237.289)

Have a look what the booklet for
CIELCh(44, 27.826, 237.289)
contains.

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Color

CIELCh(44, 27.752, 236.697)

Conversions

Conversions Part 1

Format	Color
Hex	0F718E
RGB	15, 113, 142
RGB Percent	6%, 44%, 56%
CMY	0.9421, 0.5572, 0.4435
CMYK	0.90, 0.20, 0.00, 0.44
HSL	194°, 81%, 31%
HSV	194°, 90%, 56%
XYZ	10.9622, 13.8382, 27.6447
YIQ	87.0040, -67.7170, -11.7570

Conversions

Conversions Part 2

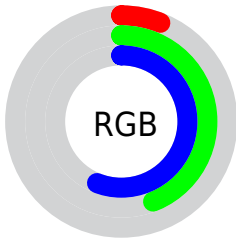
Format	Color
RYB	15, 70, 142
Decimal	1012110
CIELab	44.00, -15.24, -23.19
CIELCh	44, 27.752, 236.697
Yxy	13.8382, 0.2090, 0.2639
Android (android.graphics.Color)	4279202190 (0xFF0F718E)
YUV	87.0040, 27.1130, -63.1475
Hunter-Lab	37.1997, -12.4981, -18.0211

Details

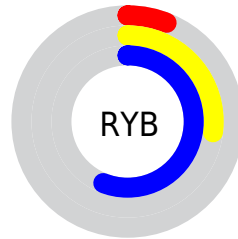
The CIELCh color **44, 27.752, 236.697** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **33, 56.217, 44.327**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 27.726, 236.871**, and **25, 22.375, 251.109** is the 20% darker color. If you saturate the color by 10%, you get **43, 28.786, 240.462**, and if you desaturate by 10%, it is **45, 26.437, 233.378**.

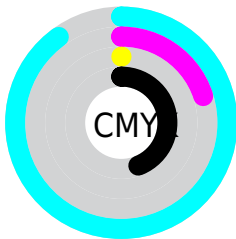
Distribution



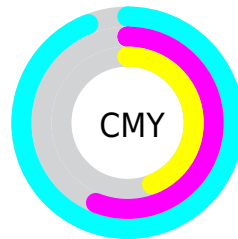
- Red (6%)
- Green (44%)
- Blue (56%)



- Red (6%)
- Yellow (27%)
- Blue (56%)



- Cyan (90%)
- Magenta (20%)
- Yellow (0%)
- Black (44%)



- Cyan (94%)
- Magenta (56%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 27.752, 236.697 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, 27.752, 236.697 by changing the saturation by 10% instead.

 44, 27.752,
236.697


 44, 27.752,
236.697

 100, 27.752,
236.697


 34, 27.752,
236.697

 64, 27.752,
236.697


 24, 27.752,
236.697

 74, 27.752,
236.697

 14, 27.752,
236.697

 84, 27.752,
236.697

 4, 27.752, 236.697

 94, 27.752,
236.697

 0, 27.752, 236.697

 44, 27.752,

 44, 27.752,

236.697

■ 43, 28.786,
240.462

■ 43, 28.830,
240.612

236.697

■ 45, 26.437,
233.378

■ 47, 24.654,
230.674

■ 48, 22.363,
228.516

■ 50, 19.571,
226.823

■ 51, 16.316,
225.514

■ 53, 12.651,
224.517

■ 55, 8.639, 223.776

■ 57, 4.341, 223.263

Harmonies

Complementary

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



44, 27.752, 236.697



33, 56.217, 44.327

Rectangle

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



44, 27.752, 236.697



44, 27.752, 286.697



44, 27.752, 56.697



44, 27.752, 106.697

Sweetspot

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



44, 27.751, 236.697



68, 14.338, 224.347



51, 67.236, 140.904



35, 9.533, 224.596



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



44, 27.751, 236.697



55, 34.982, 241.608



25, 59.238, 295.214



29, 2.570, 223.248



41, 27.805, 240.397



1, 1.774, 222.793

Inverse Universe

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



32, 61.471, 338.415



41, 75.757, 339.908



47, 50.931, 82.801



28, 4.785, 332.064



30, 60.741, 339.546



1, 3.210, 331.526

Previews

White Background



This preview shows how the CIELCh color 44, 27.752, 236.697 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, 27.752, 236.697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

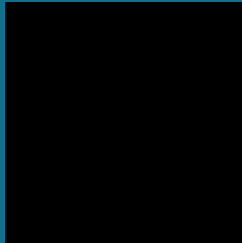
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 27.752, 236.697

Background



This preview shows how black text looks on a background with the CIELCh color 44, 27.752, 236.697.

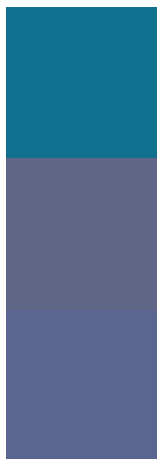


This preview shows how white text looks on a background with the CIELCh color 44, 27.752, 236.697.

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, 27.752, 236.697

Protanopia

44, 19.291, 285.460

Deuteranopia

44, 25.358, 284.562



Tritanopia
44, 26.883, 208.379

Trichromacy



Original Color
44, 27.752, 236.697

Protanomaly
43, 21.954, 257.371

Deuteranomaly
43, 25.109, 261.815

Tritanomaly
44, 26.524, 219.835

Monochromacy



Original Color
44, 27.752, 236.697

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 13.901, 227.358

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 27.752, 236.697 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(15, 113, 142)` looks like.

```
.text, #text, p{  
    color:rgb(15, 113, 142)  
}
```

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(15, 113, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 113, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 27.752, 236.697 is called "border". The border property can be set on classes, ids or directly on the HTML element.

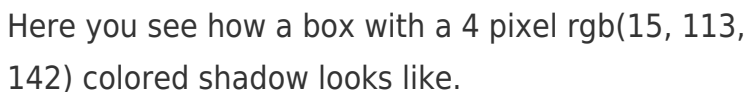
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(15, 113, 142) }
```

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

```
.border{ border-color:rgb(15, 113, 142) }
```

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



Here you see how a box with a 4 pixel `rgb(15, 113, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 113, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 113, 142);  
box-shadow:4px 4px 4px 4px rgb(15, 113,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 27.752, 236.697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 113, 142) }
```

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

```
.background{ background-color: rgb(15, 113,  
142) }
```

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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