

Converting Colors

CIELCh(44, 11.146, 238.459)

Have a look what the booklet for
CIELCh(44, 11.146, 238.459)
contains.

CIELCh(44, 11.114, 235.145)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(44, 11.114, 235.145)

Conversions

Conversions Part 1

Format	Color
Hex	536C77
RGB	83, 108, 119
RGB Percent	33%, 42%, 47%
CMY	0.6753, 0.5773, 0.5342
CMYK	0.30, 0.09, 0.00, 0.53
HSL	198°, 18%, 40%
HSV	198°, 30%, 47%
XYZ	12.2073, 13.8382, 19.4142
YIQ	101.7790, -18.4310, -1.8790

Conversions

Conversions Part 2

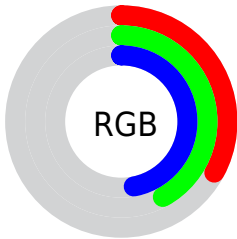
Format	Color
R_{YB}	83, 98, 119
Decimal	5467255
CIE Lab	44.00, -6.35, -9.12
CIE LCh	44, 11.114, 235.145
Yxy	13.8382, 0.2685, 0.3044
Android (android.graphics.Color)	4283657335 (0xFF536C77)
YUV	101.7790, 8.4900, -16.4692
Hunter-Lab	37.1997, -6.5237, -4.9031

Details

The CIELCh color `44, 11.114, 235.145` is a dark color, and the websafe version is hex `666666`. A complement of this color would be `42, 13.192, 50.430`, and the grayscale version is `43, 0.006, 296.813`.

A 20% lighter version of the original color is `64, 11.201, 235.644`, and `24, 11.202, 234.693` is the 20% darker color. If you saturate the color by 10%, you get `42, 14.351, 236.603`, and if you desaturate by 10%, it is `46, 7.636, 233.981`.

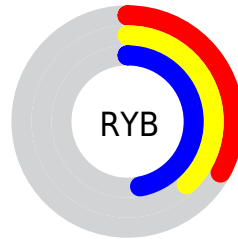
Distribution



Red (33%)

Green (42%)

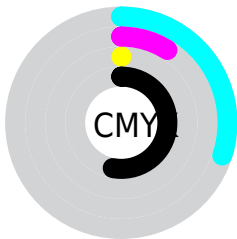
Blue (47%)



Red (33%)

Yellow (38%)

Blue (47%)

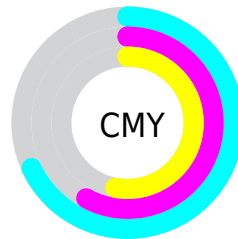


Cyan (30%)

Magenta (9%)

Yellow (0%)

Black (53%)



Cyan (68%)


Magenta (58%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 11.114, 235.145 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, 11.114, 235.145 by changing the saturation by 10% instead.


 44, 11.114,
235.145


 44, 11.114,
235.145


 100, 11.114,
235.145


 34, 11.114,
235.145

 64, 11.114,
235.145


 24, 11.114,
235.145

 74, 11.114,
235.145


 14, 11.114,
235.145


 84, 11.114,
235.145

 4, 11.114, 235.145

 94, 11.114,
235.145

 0, 11.114, 235.145

 44, 11.114,

 44, 11.114,

235.145

■ 42, 14.351,
236.603

■ 40, 17.307,
238.432

■ 39, 19.950,
240.704

■ 37, 22.263,
243.498

■ 36, 24.257,
246.883

■ 34, 25.978,
250.893

■ 33, 27.580,
254.981

235.145

■ 46, 7.636, 233.981

■ 48, 3.958, 233.087

■ 50, 0.120, 235.122

■ 52, 3.844, 51.569

■ 54, 7.903, 51.140

■ 56, 12.031, 50.775

■ 58, 16.207, 50.478

■ 60, 20.413, 50.239

■ 63, 24.636, 50.047

Harmonies

Complementary

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



44, 11.114, 235.145



42, 13.192, 50.430

Rectangle

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



44, 11.114, 235.145



44, 11.114, 285.145



44, 11.114, 55.145



44, 11.114, 105.145

Sweetspot

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



44, 11.114, 235.140



62, 4.322, 233.009



47, 20.924, 151.968



32, 3.020, 233.098



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



44, 11.114, 235.140



55, 16.155, 236.071



39, 17.776, 284.452



24, 2.146, 232.994



34, 28.218, 255.155



67, 49.108, 258.178

Inverse Universe

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



40, 21.065, 336.603



49, 31.143, 337.122



47, 17.192, 97.032



23, 3.840, 335.060



26, 53.796, 344.509



55, 90.269, 345.719

Previews

White Background



This preview shows how the CIELCh color 44, 11.114, 235.145 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, 11.114, 235.145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

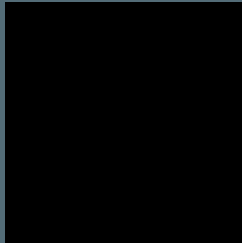
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

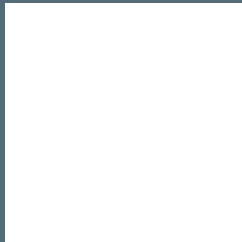
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 11.114, 235.145

Background



This preview shows how black text looks on a background with the CIELCh color 44, 11.114, 235.145.

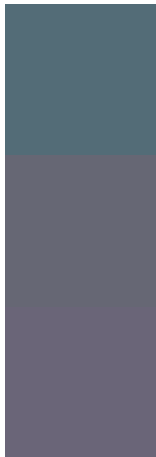


This preview shows how white text looks on a background with the CIELCh color 44, 11.114, 235.145.

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, 11.114, 235.145

Protanopia

44, 7.801, 288.420

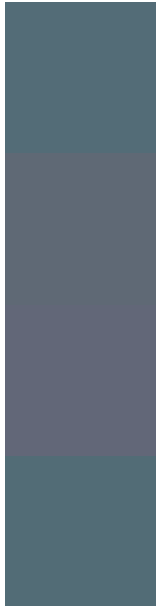
Deuteranopia

44, 11.612, 301.406



Tritanopia
44, 10.855, 228.444

Trichromacy



Original Color
44, 11.114, 235.145

Protanomaly
44, 8.055, 262.762

Deuteranomaly
44, 10.332, 281.001

Tritanomaly
44, 11.108, 231.345

Monochromacy



Original Color
44, 11.114, 235.145

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 4.264, 233.497

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 11.114, 235.145 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(83, 108, 119)` looks like.

```
.text, #text, p{  
    color:rgb(83, 108, 119)  
}
```

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(83, 108, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 108, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 11.114, 235.145 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(83, 108, 119) }
```

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

```
.border{ border-color:rgb(83, 108, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 108, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 108, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 108, 119);  
box-shadow:4px 4px 4px 4px rgb(83, 108,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 11.114, 235.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 108, 119) }
```

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

```
.background{ background-color: rgb(83, 108,  
119) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor