

Converting Colors

CIELCh(44, 21.514, 257.880)

Have a look what the booklet for
CIELCh(44, 21.514, 257.880)
contains.

CIELCh(44, 21.647, 258.399)	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, 21.647, 258.399)

Conversions

Conversions Part 1

Format	Color
Hex	466C8B
RGB	70, 108, 139
RGB Percent	27%, 42%, 55%
CMY	0.7263, 0.5772, 0.4557
CMYK	0.50, 0.22, 0.00, 0.46
HSL	207°, 33%, 41%
HSV	207°, 50%, 54%
XYZ	12.4998, 13.8382, 26.3620
YIQ	100.1720, -32.5990, 1.5850

Conversions

Conversions Part 2

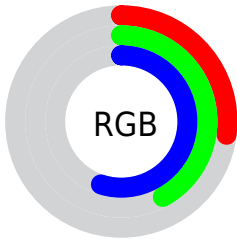
Format	Color
RYB	70, 95, 139
Decimal	4615307
CIELab	44.00, -4.35, -21.20
CIElCh	44, 21.647, 258.399
Yxy	13.8382, 0.2372, 0.2626
Android (android.graphics.Color)	4282805387 (0xFF466C8B)
YUV	100.1720, 19.1422, -26.4608
Hunter-Lab	37.1997, -5.1205, -15.9767

Details

The CIELCh color **44, 21.647, 258.399** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **46, 26.109, 64.248**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 21.959, 259.119**, and **24, 21.613, 258.248** is the 20% darker color. If you saturate the color by 10%, you get **41, 25.584, 261.260**, and if you desaturate by 10%, it is **47, 17.551, 255.993**.

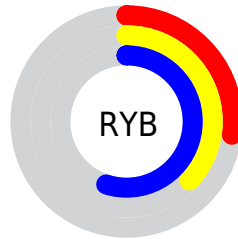
Distribution



Red (27%)

Green (42%)

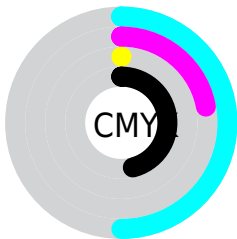
Blue (55%)



Red (27%)

Yellow (37%)

Blue (55%)

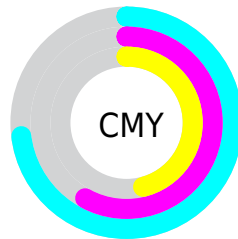


Cyan (50%)

Magenta (22%)

Yellow (0%)

Black (46%)



Cyan (73%)

Magenta (58%)

Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 21.647, 258.399 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, 21.647, 258.399 by changing the saturation by 10% instead.


 44, 21.647,
258.399


 44, 21.647,
258.399


 100, 21.647,
258.399

 34, 21.647,
258.399

 64, 21.647,
258.399


 24, 21.647,
258.399

 74, 21.647,
258.399

 14, 21.647,
258.399

 84, 21.647,
258.399

 4, 21.647, 258.399

 94, 21.647,
258.399

 0, 21.647, 258.399

 44, 21.647,

 44, 21.647,

258.399

258.399

■ 41, 25.584,
261.260

■ 47, 17.551,
255.993

■ 39, 29.376,
264.623

■ 49, 13.305,
253.984

■ 37, 33.063,
268.499

■ 52, 8.927, 252.312

■ 34, 36.713,
272.834

■ 55, 4.441, 250.937

■ 58, 0.129, 67.268

■ 32, 40.457,
277.264

■ 61, 4.759, 68.613

■ 32, 40.570,
277.384

■ 64, 9.428, 67.791

■ 67, 14.119, 67.069

■ 69, 18.817, 66.440

Harmonies

Complementary

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



44, 21.647, 258.399



46, 26.109, 64.248

Rectangle

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



44, 21.647, 258.399



44, 21.647, 308.399



44, 21.647, 78.399



44, 21.647, 128.399

Sweetspot

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



44, 21.646, 258.398



68, 8.477, 251.674



53, 34.441, 155.380



35, 5.818, 251.938



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, 21.646, 258.398



53, 31.851, 261.765



34, 40.225, 294.593



28, 2.566, 250.869



31, 39.097, 277.156



1, 1.200, 249.725

Inverse Universe

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



39, 35.305, 345.732



47, 51.609, 347.355



55, 35.849, 102.425



27, 3.968, 341.666



28, 52.996, 356.158



0, 1.824, 341.005

Previews

White Background



This preview shows how the CIELCh color 44, 21.647, 258.399 looks on a white background.

Color Contrast Check

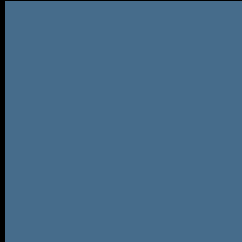
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 44, 21.647, 258.399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

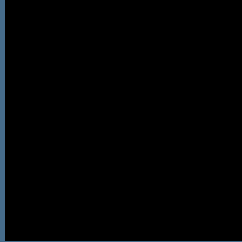
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

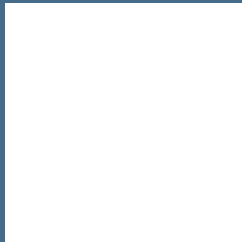
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 21.647, 258.399

Background



This preview shows how black text looks on a background with the CIELCh color 44, 21.647, 258.399.

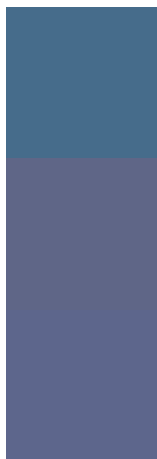


This preview shows how white text looks on a background with the CIELCh color 44, 21.647, 258.399.

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, 21.647, 258.399

Protanopia

44, 19.881, 285.793

Deuteranopia

44, 22.898, 285.580



Tritanopia
44, 16.745, 216.698

Trichromacy



Original Color
44, 21.647, 258.399

Protanomaly
44, 19.919, 274.763

Deuteranomaly
44, 22.241, 276.482

Tritanomaly
44, 17.468, 234.060

Monochromacy



Original Color
44, 21.647, 258.399

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 8.381, 251.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 21.647, 258.399 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(70, 108, 139)` looks like.

```
.text, #text, p{  
    color:rgb(70, 108, 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(70, 108, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 108, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 21.647, 258.399 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(70, 108, 139) }
```

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

```
.border{ border-color:rgb(70, 108, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 108, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 108, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 108, 139);  
box-shadow:4px 4px 4px 4px rgb(70, 108,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 21.647, 258.399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 108, 139) }
```

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

```
.background{ background-color: rgb(70, 108,  
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](#).

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