

Converting Colors

CIELCh(44, 20.095, 249.733)

Have a look what the booklet for
CIELCh(44, 20.095, 249.733)
contains.

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Color

CIELCh(44, 20.095, 249.733)

Conversions

Conversions Part 1

Format	Color
Hex	436D87
RGB	67, 109, 135
RGB Percent	26%, 43%, 53%
CMY	0.7379, 0.5731, 0.4712
CMYK	0.50, 0.19, 0.00, 0.47
HSL	203°, 34%, 40%
HSV	203°, 50%, 53%
XYZ	12.1191, 13.8382, 24.8966
YIQ	99.4060, -33.3780, -0.8180

Conversions

Conversions Part 2

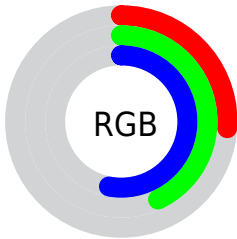
Format	Color
RYB	67, 93, 135
Decimal	4418951
CIELab	44.00, -6.96, -18.85
CIElCh	44, 20.095, 249.733
Yxy	13.8382, 0.2383, 0.2721
Android (android.graphics.Color)	4282609031 (0xFF436D87)
YUV	99.4060, 17.5478, -28.4201
Hunter-Lab	37.1997, -6.9470, -13.6411

Details

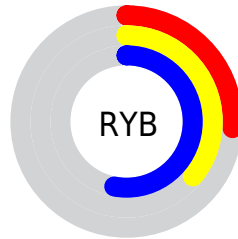
The CIELCh color **44, 20.095, 249.733** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **43, 25.872, 57.345**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 20.102, 250.052**, and **24, 19.895, 248.511** is the 20% darker color. If you saturate the color by 10%, you get **42, 23.431, 252.469**, and if you desaturate by 10%, it is **46, 16.509, 247.473**.

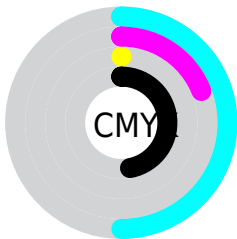
Distribution



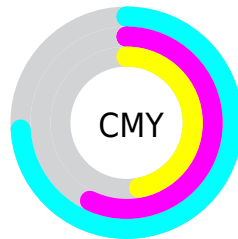
- Red (26%)
- Green (43%)
- Blue (53%)



- Red (26%)
- Yellow (36%)
- Blue (53%)



- Cyan (50%)
- Magenta (19%)
- Yellow (0%)
- Black (47%)



- Cyan (74%)
- Magenta (57%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 20.095, 249.733 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, 20.095, 249.733 by changing the saturation by 10% instead.


 44, 20.095,
249.733


 44, 20.095,
249.733


 100, 20.095,
249.733


 34, 20.095,
249.733

 64, 20.095,
249.733


 24, 20.095,
249.733

 74, 20.095,
249.733

 14, 20.095,
249.733

 84, 20.095,
249.733

 4, 20.095, 249.733

 94, 20.095,
249.733

 0, 20.095, 249.733

 44, 20.095,

 44, 20.095,

249.733

■ 42, 23.431,
252.469

■ 40, 26.519,
255.747

■ 38, 29.392,
259.603

■ 36, 32.117,
264.013

■ 34, 34.748,
268.374

249.733

■ 46, 16.509,
247.473

■ 49, 12.695,
245.619

■ 51, 8.681, 244.105

■ 54, 4.501, 242.886

■ 56, 0.190, 243.567

■ 59, 4.222, 60.835

■ 61, 8.708, 60.160

■ 64, 13.244, 59.571

■ 67, 17.813, 59.068

Harmonies

Complementary

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



44, 20.095, 249.733



43, 25.872, 57.345

Rectangle

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



44, 20.095, 249.733



44, 20.095, 299.733



44, 20.095, 69.733



44, 20.095, 119.733

Sweetspot

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



44, 20.094, 249.732



67, 7.988, 243.448



51, 36.018, 152.373



35, 5.477, 243.677



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



44, 20.094, 249.732



54, 29.231, 253.063



34, 36.852, 291.824



27, 2.406, 242.749



33, 33.765, 268.178



0, 0.584, 241.749

Inverse Universe

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



38, 36.362, 342.130



46, 53.067, 343.559



52, 33.489, 98.735



26, 4.029, 338.424



28, 53.759, 350.466



0, 0.957, 337.811

Previews

White Background



This preview shows how the CIE LCh color 44, 20.095, 249.733 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, 20.095, 249.733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

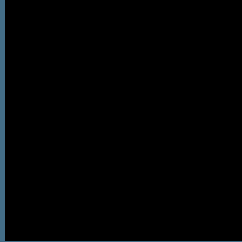
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

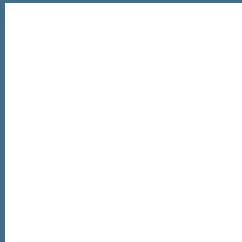
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 20.095, 249.733

Background



This preview shows how black text looks on a background with the CIELCh color 44, 20.095, 249.733.

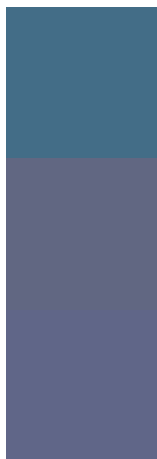


This preview shows how white text looks on a background with the CIELCh color 44, 20.095, 249.733.

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, 20.095, 249.733

Protanopia

44, 16.272, 284.730

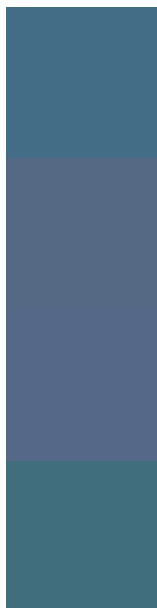
Deuteranopia

44, 20.442, 287.074



Tritanopia
44, 17.258, 216.065

Trichromacy



Original Color
44, 20.095, 249.733

Protanomaly
44, 17.247, 269.728

Deuteranomaly
44, 20.008, 273.876

Tritanomaly
44, 17.436, 229.277

Monochromacy



Original Color
44, 20.095, 249.733

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 8.054, 241.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 20.095, 249.733 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(67, 109, 135)` looks like.

```
.text, #text, p{  
    color:rgb(67, 109, 135)  
}
```

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(67, 109, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 109, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 20.095, 249.733 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(67, 109, 135) }
```

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

```
.border{ border-color:rgb(67, 109, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 109, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 109, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 109, 135);  
box-shadow:4px 4px 4px 4px rgb(67, 109,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 20.095, 249.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 109, 135) }
```

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

```
.background{ background-color: rgb(67, 109,  
135) }
```

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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