

Converting Colors

CIELCh(44, 19.653, 266.171)

Have a look what the booklet for
CIELCh(44, 19.653, 266.171)
contains.

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Color

CIELCh(44, 19.629, 266.107)

Conversions

Conversions Part 1

Format	Color
Hex	506A88
RGB	80, 106, 136
RGB Percent	31%, 42%, 53%
CMY	0.6856, 0.5836, 0.4660
CMYK	0.41, 0.22, 0.00, 0.47
HSL	212°, 26%, 42%
HSV	212°, 41%, 53%
XYZ	12.9505, 13.8382, 25.3469
YIQ	101.6460, -25.1260, 3.8180

Conversions

Conversions Part 2

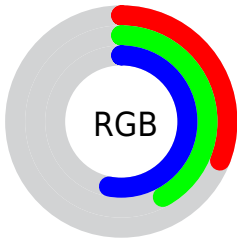
Format	Color
R_{YB}	80, 98, 136
Decimal	5270152
CIE _{Lab}	44.00, -1.33, -19.58
CIE _{LCh}	44, 19.629, 266.107
Yxy	13.8382, 0.2484, 0.2654
Android (android.graphics.Color)	4283460232 (0xFF506A88)
YUV	101.6460, 16.9365, -18.9835
Hunter-Lab	37.1997, -2.9575, -14.3587

Details

The CIELCh color **44, 19.629, 266.107** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **48, 21.429, 74.052**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 19.543, 265.684**, and **24, 19.590, 265.855** is the 20% darker color. If you saturate the color by 10%, you get **41, 24.307, 268.596**, and if you desaturate by 10%, it is **47, 14.907, 263.989**.

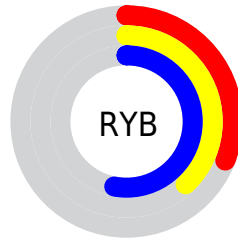
Distribution



Red (31%)

Green (42%)

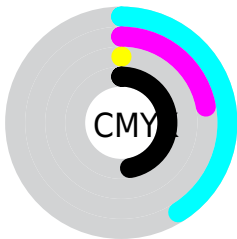
Blue (53%)



Red (31%)

Yellow (38%)

Blue (53%)

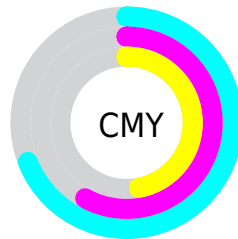


Cyan (41%)

Magenta (22%)

Yellow (0%)

Black (47%)



Cyan (69%)


Magenta (58%)

Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 19.629, 266.107 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, 19.629, 266.107 by changing the saturation by 10% instead.


 44, 19.629,
266.107


 44, 19.629,
266.107


 100, 19.629,
266.107


 34, 19.629,
266.107

 64, 19.629,
266.107


 24, 19.629,
266.107

 74, 19.629,
266.107

 14, 19.629,
266.107


 84, 19.629,
266.107

 4, 19.629, 266.107

 94, 19.629,
266.107

 0, 19.629, 266.107

 44, 19.629,

 44, 19.629,

266.107

266.107

■ 41, 24.307,
268.596

■ 47, 14.907,
263.989

■ 38, 28.952,
271.501

■ 50, 10.146,
262.194

■ 35, 33.589,
274.842

■ 53, 5.356, 260.684

■ 32, 38.262,
278.597

■ 56, 0.548, 259.795

■ 60, 4.264, 78.144

■ 30, 43.024,
282.675

■ 63, 9.068, 77.204

■ 28, 47.392,
286.215

■ 66, 13.853, 76.369

■ 69, 18.610, 75.634

■ 72, 23.332, 74.984

Harmonies

Complementary

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



44, 19.629, 266.107



48, 21.429, 74.052

Rectangle

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



44, 19.629, 266.107



44, 19.629, 316.107



44, 19.629, 86.107



44, 19.629, 136.107

Sweetspot

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



44, 19.628, 266.106



67, 7.119, 260.841



52, 26.146, 161.498



35, 4.758, 260.995



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, 19.628, 266.106



53, 28.731, 268.311



37, 34.691, 296.481



27, 2.742, 260.421



27, 46.367, 286.095



1, 1.275, 259.201

Inverse Universe

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



41, 27.625, 349.761



50, 40.326, 351.020



55, 31.312, 107.879



27, 3.743, 346.336



28, 52.013, 4.039



0, 1.717, 345.622

Previews

White Background



This preview shows how the CIELCh color 44, 19.629, 266.107 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, 19.629, 266.107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

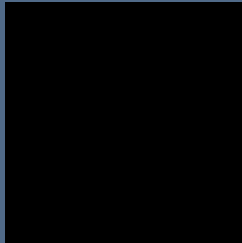
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

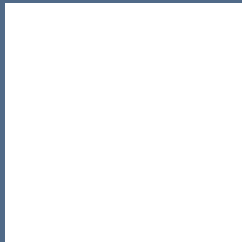
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 19.629, 266.107

Background



This preview shows how black text looks on a background with the CIELCh color 44, 19.629, 266.107.

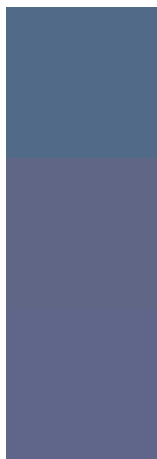


This preview shows how white text looks on a background with the CIELCh color 44, 19.629, 266.107.

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, 19.629, 266.107

Protanopia

44, 18.669, 285.079

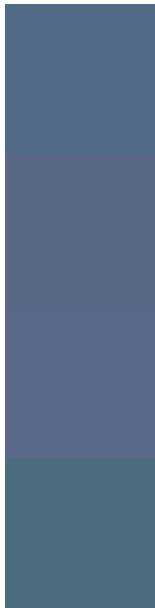
Deuteranopia

44, 21.034, 287.346



Tritanopia
44, 13.178, 222.513

Trichromacy



Original Color
44, 19.629, 266.107

Protanomaly
44, 19.033, 277.864

Deuteranomaly
44, 20.176, 279.014

Tritanomaly
44, 14.582, 243.175

Monochromacy



Original Color
44, 19.629, 266.107

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 7.055, 257.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 19.629, 266.107 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(80, 106, 136)` looks like.

```
.text, #text, p{  
    color:rgb(80, 106, 136)  
}
```

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(80, 106, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 106, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 19.629, 266.107 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(80, 106, 136) }
```

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

```
.border{ border-color:rgb(80, 106, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 106, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 106, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 106, 136);  
box-shadow:4px 4px 4px 4px rgb(80, 106,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 19.629, 266.107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 106, 136) }
```

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

```
.background{ background-color: rgb(80, 106,  
136) }
```

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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