

Converting Colors

CIELCh(43, 20.249, 218.533)

Have a look what the booklet for
CIELCh(43, 20.249, 218.533)
contains.

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Color

CIELCh(43, 20.249, 218.533)

Conversions

Conversions Part 1

Format	Color
Hex	316E7A
RGB	49, 110, 122
RGB Percent	19%, 43%, 48%
CMY	0.8087, 0.5694, 0.5223
CMYK	0.60, 0.10, 0.00, 0.52
HSL	190°, 43%, 33%
HSV	190°, 60%, 48%
XYZ	10.3118, 13.1578, 20.3446
YIQ	93.1290, -40.2080, -9.2000

Conversions

Conversions Part 2

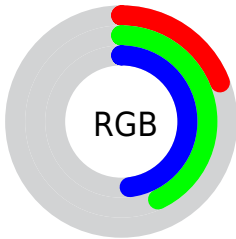
Format	Color
R_{YB}	49, 82, 122
Decimal	3239546
CIE _{Lab}	43.00, -15.84, -12.61
CIE _{LCh}	43, 20.249, 218.533
Yxy	13.1578, 0.2354, 0.3003
Android (android.graphics.Color)	4281429626 (0xFF316E7A)
YUV	93.1290, 14.2334, -38.7011
Hunter-Lab	36.2736, -12.7354, -7.8621




Details

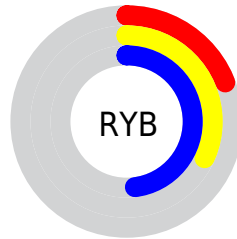
The CIELCh color **43, 20.249, 218.533** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **33, 31.926, 37.517**, and the grayscale version is **39, 0.006, 296.813**.




A 20% lighter version of the original color is **63, 20.161, 217.490**, and **23, 17.734, 221.658** is the 20% darker color. If you saturate the color by 10%, you get **42, 22.190, 219.920**, and if you desaturate by 10%, it is **44, 17.812, 217.479**.

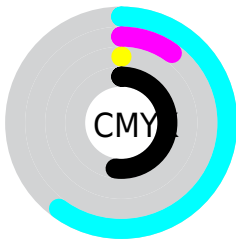
Distribution







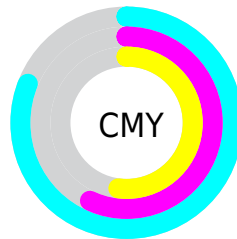
-  Red (19%)
-  Green (43%)
-  Blue (48%)






-  Red (19%)
-  Yellow (32%)
-  Blue (48%)



-  Cyan (60%)
-  Magenta (10%)
-  Yellow (0%)
-  Black (52%)





-  Cyan (81%)
-  Magenta (57%)
-  Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 20.249, 218.533 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 43, 20.249, 218.533 by changing the saturation by 10% instead.


 43, 20.249,
218.533


 43, 20.249,
218.533


 100, 20.249,
218.533


 33, 20.249,
218.533

 63, 20.249,
218.533


 23, 20.249,
218.533

 73, 20.249,
218.533

 13, 20.249,
218.533

 83, 20.249,
218.533

 3, 20.249, 218.533

 93, 20.249,
218.533

 0, 20.249, 218.533

 43, 20.249,

 43, 20.249,

218.533

■ 42, 22.190,
219.920

■ 41, 23.619,
221.707

■ 40, 24.551,
223.955

■ 39, 25.202,
226.491

■ 39, 25.205,
226.504

218.533

■ 44, 17.812,
217.479

■ 45, 14.923,
216.706

■ 47, 11.635,
216.160

■ 48, 8.009, 215.804

■ 50, 4.105, 215.623

■ 51, 0.022, 18.079

■ 53, 4.320, 35.306

■ 54, 8.747, 35.397

■ 56, 13.269, 35.511

Harmonies

Complementary

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



43, 20.249, 218.533



33, 31.926, 37.517

Rectangle

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



43, 20.249, 218.533



43, 20.249, 268.533



43, 20.249, 38.533



43, 20.249, 88.533

Sweetspot

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



43, 20.249, 218.532



62, 8.987, 215.765



45, 45.790, 143.540



31, 6.166, 215.829



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



43, 20.249, 218.532



54, 27.548, 220.549



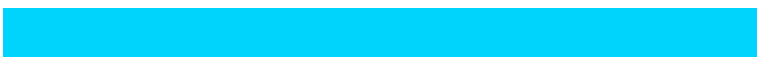
32, 30.556, 281.061



25, 2.339, 215.618



40, 25.671, 226.593



78, 43.213, 228.452

Inverse Universe

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



33, 44.835, 332.964



40, 63.050, 333.864



42, 30.956, 82.026



24, 4.401, 329.805



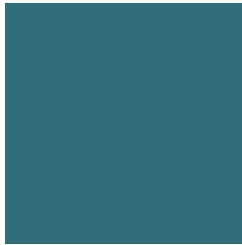
28, 60.179, 335.758



58, 100.645, 336.240

Previews

White Background



This preview shows how the CIELCh color 43, 20.249, 218.533 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 43, 20.249, 218.533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

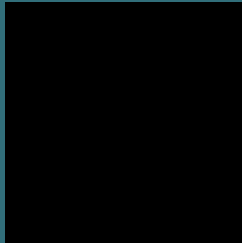
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 20.249, 218.533

Background



This preview shows how black text looks on a background with the CIELCh color 43, 20.249, 218.533.

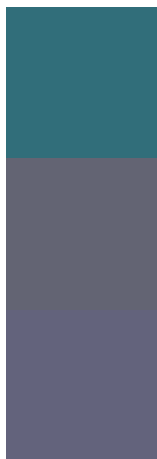


This preview shows how white text looks on a background with the CIELCh color 43, 20.249, 218.533.

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

43, 20.249, 218.533

Protanopia

43, 9.044, 289.025

Deuteranopia

43, 15.078, 292.344



Tritanopia
43, 20.263, 212.984

Trichromacy



Original Color
43, 20.249, 218.533

Protanomaly
43, 11.312, 242.788

Deuteranomaly
43, 14.126, 257.971

Tritanomaly
43, 20.307, 214.765

Monochromacy



Original Color
43, 20.249, 218.533

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 8.755, 214.675

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 20.249, 218.533 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(49, 110, 122)` looks like.

```
.text, #text, p{  
    color:rgb(49, 110, 122)  
}
```

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(49, 110, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 110, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 20.249, 218.533 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(49, 110, 122) }
```

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

```
.border{ border-color:rgb(49, 110, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 110, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 110, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 110, 122);  
box-shadow:4px 4px 4px 4px rgb(49, 110,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 20.249, 218.533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 110, 122) }
```

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

```
.background{ background-color: rgb(49, 110,  
122) }
```

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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