

Converting Colors

CIELCh(44, 17.795, 303.555)

Have a look what the booklet for
CIELCh(44, 17.795, 303.555)
contains.

CIELCh(44, 17.795, 303.555)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(44, 17.795, 303.555)

Conversions

Conversions Part 1

Format	Color
Hex	6D6481
RGB	109, 100, 129
RGB Percent	43%, 39%, 51%
CMY	0.5741, 0.6094, 0.4957
CMYK	0.16, 0.23, 0.00, 0.50
HSL	259°, 13%, 45%
HSV	259°, 23%, 50%
XYZ	14.7113, 13.8382, 22.5206
YIQ	105.9970, -3.9450, 10.9270

Conversions

Conversions Part 2

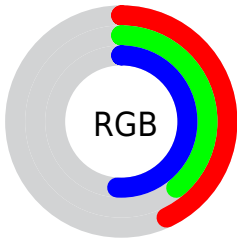
Format	Color
R_{YB}	109, 100, 129
Decimal	7169153
CIE _{Lab}	44.00, 9.84, -14.83
CIE _{LCh}	44, 17.795, 303.555
Yxy	13.8382, 0.2881, 0.2710
Android (android.graphics.Color)	4285359233 (0xFF6D6481)
YUV	105.9970, 11.3405, 2.6336
Hunter-Lab	37.1997, 5.4914, -9.8542

Details

The CIELCh color $44, 17.795, 303.555$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $52, 17.070, 120.954$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 17.740, 303.656$, and $24, 18.271, 303.768$ is the 20% darker color. If you saturate the color by 10%, you get $40, 26.112, 304.287$, and if you desaturate by 10%, it is $48, 9.735, 302.897$.

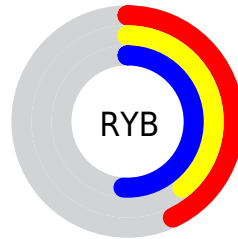
Distribution



Red (43%)

Green (39%)

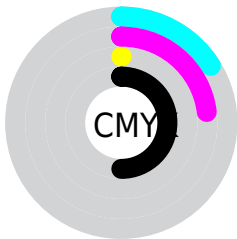
Blue (51%)



Red (43%)

Yellow (39%)

Blue (51%)

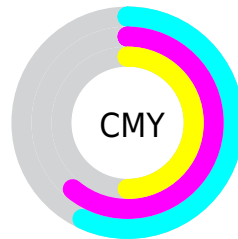


Cyan (16%)

Magenta (23%)

Yellow (0%)

Black (50%)



Cyan (57%)

Magenta (61%)

Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 17.795, 303.555 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, 17.795, 303.555 by changing the saturation by 10% instead.


 44, 17.795,
303.555


 44, 17.795,
303.555


 100, 17.795,
303.555


 34, 17.795,
303.555

 64, 17.795,
303.555


 24, 17.795,
303.555

 74, 17.795,
303.555


 14, 17.795,
303.555


 84, 17.795,
303.555

 4, 17.795, 303.555

 94, 17.795,
303.555

 0, 17.795, 303.555

 44, 17.795,

 44, 17.795,

303.555

40, 26.112,
304.287

35, 34.656,
305.090

31, 43.347,
305.944

27, 52.019,
306.809

23, 60.361,
307.612

20, 67.853,
308.236

17, 73.776,
308.528

16, 77.730,
308.749

303.555

48, 9.735, 302.897

53, 1.942, 302.301

57, 5.588, 121.818

61, 12.866,
121.370

66, 19.904,
120.983

70, 26.715,
120.648

74, 33.314,
120.359

78, 39.713,
120.110

82, 45.925,

Harmonies

Complementary

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



44, 17.795, 303.555



52, 17.070, 120.954

Rectangle

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



44, 17.795, 303.555



44, 17.795, 353.555



44, 17.795, 123.555



44, 17.795, 173.555

Sweetspot

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



44, 17.794, 303.554



65, 6.714, 302.573



49, 8.993, 233.503



33, 4.345, 302.599



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



44, 17.794, 303.554



54, 26.788, 303.919



45, 19.539, 319.767



25, 4.321, 302.687



15, 77.248, 308.757



0, 0.000, 0.000

Inverse Universe

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



46, 16.654, 336.237



57, 24.884, 336.622



51, 19.341, 137.731



25, 4.104, 335.266



27, 55.194, 344.935



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 44, 17.795, 303.555 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, 17.795, 303.555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

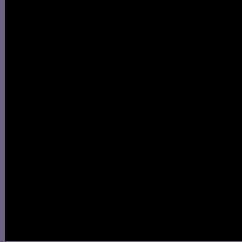
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 17.795, 303.555

Background



This preview shows how black text looks on a background with the CIELCh color 44, 17.795, 303.555.



This preview shows how white text looks on a background with the CIELCh color 44, 17.795, 303.555.

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, 17.795, 303.555

Protanopia

44, 16.862, 285.114

Deuteranopia

44, 15.599, 292.371



Tritanopia
44, 4.965, 304.930

Trichromacy



Original Color
44, 17.795, 303.555

Protanomaly
44, 16.792, 291.280

Deuteranomaly
44, 16.276, 296.403

Tritanomaly
44, 9.244, 303.741

Monochromacy



Original Color
44, 17.795, 303.555

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 6.123, 302.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 17.795, 303.555 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(109, 100, 129)` looks like.

```
.text, #text, p{  
    color:rgb(109, 100, 129)  
}
```

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(109, 100, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 100, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 17.795, 303.555 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(109, 100, 129) }
```

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

```
.border{ border-color:rgb(109, 100, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 100, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 100, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 100, 129);  
box-shadow:4px 4px 4px 4px rgb(109, 100,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 17.795, 303.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 100, 129) }
```

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

```
.background{ background-color: rgb(109,  
100, 129) }
```

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