

Converting Colors

CIELCh(44, 12.442, 303.919)

Have a look what the booklet for
CIELCh(44, 12.442, 303.919)
contains.

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Color

CIELCh(44, 12.355, 304.561)

Conversions

Conversions Part 1

Format	Color
Hex	6C6579
RGB	108, 101, 121
RGB Percent	42%, 40%, 47%
CMY	0.5770, 0.6044, 0.5260
CMYK	0.11, 0.17, 0.00, 0.53
HSL	261°, 9%, 43%
HSV	261°, 17%, 47%
XYZ	14.2514, 13.8382, 19.9649
YIQ	105.3730, -2.2480, 7.7040

Conversions

Conversions Part 2

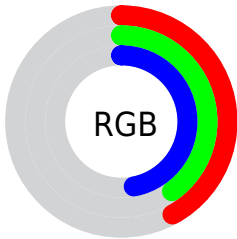
Format	Color
R_{YB}	108, 101, 121
Decimal	7103865
CIE Lab	44.00, 7.01, -10.17
CIE LCh	44, 12.355, 304.561
Yxy	13.8382, 0.2966, 0.2880
Android (android.graphics.Color)	4285293945 (0xFF6C6579)
YUV	105.3730, 7.7041, 2.3039
Hunter-Lab	37.1997, 3.2846, -5.7808

Details

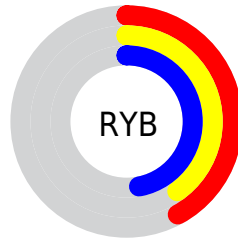
The CIELCh color **44, 12.355, 304.561** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **50, 12.008, 122.828**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 12.134, 305.433**, and **24, 12.275, 304.406** is the 20% darker color. If you saturate the color by 10%, you get **40, 20.138, 305.191**, and if you desaturate by 10%, it is **48, 4.810, 303.989**.

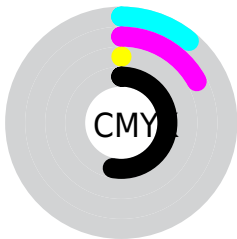
Distribution



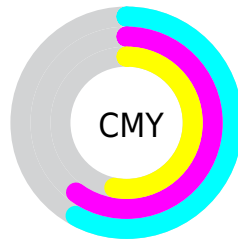
- Red (42%)
- Green (40%)
- Blue (47%)



- Red (42%)
- Yellow (40%)
- Blue (47%)



- Cyan (11%)
- Magenta (17%)
- Yellow (0%)
- Black (53%)





- Cyan (58%)
- Magenta (60%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 12.355, 304.561 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, 12.355, 304.561 by changing the saturation by 10% instead.


 44, 12.355,
304.561


 44, 12.355,
304.561


 100, 12.355,
304.561


 34, 12.355,
304.561

 64, 12.355,
304.561


 24, 12.355,
304.561

 74, 12.355,
304.561

 14, 12.355,
304.561


 84, 12.355,
304.561

 4, 12.355, 304.561

 94, 12.355,
304.561

 0, 12.355, 304.561

 44, 12.355,

 44, 12.355,

304.561

40, 20.138,
305.191

36, 28.141,
305.883

32, 36.313,
306.626

28, 44.543,
307.391

24, 52.625,
308.128

21, 60.201,
308.756

18, 66.727,
309.153

16, 71.887,
309.288

304.561

48, 4.810, 303.989

52, 2.490, 123.518

56, 9.551, 123.065

60, 16.383,
122.678

64, 22.998,
122.343

68, 29.407,
122.053

72, 35.622,
121.802

76, 41.656,
121.586

80, 47.518,

■ 15,73.748,
309.408

121.401

Harmonies

Complementary

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



44, 12.355, 304.561



50, 12.008, 122.828

Rectangle

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



44, 12.355, 304.561



44, 12.355, 354.561



44, 12.355, 124.561



44, 12.355, 174.561

Sweetspot

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



44, 12.354, 304.559



63, 4.571, 303.912



47, 6.381, 237.260



32, 3.104, 303.943



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



44, 12.354, 304.559



55, 18.725, 304.802



45, 13.704, 320.507



24, 4.200, 304.129



16, 75.562, 309.372



36, 128.016, 308.846

Inverse Universe

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



45, 11.268, 337.515



57, 17.009, 337.817



49, 13.615, 139.019



24, 3.855, 336.959



27, 53.165, 347.822



56, 88.596, 349.274

Previews

White Background



This preview shows how the CIELCh color 44, 12.355, 304.561 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, 12.355, 304.561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

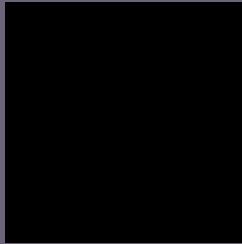
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 12.355, 304.561

Background



This preview shows how black text looks on a background with the CIELCh color 44, 12.355, 304.561.



This preview shows how white text looks on a background with the CIELCh color 44, 12.355, 304.561.

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, 12.355, 304.561

Protanopia

44, 11.426, 286.070

Deuteranopia

44, 12.203, 300.981



Tritanopia
44, 4.965, 304.930

Trichromacy



Original Color
44, 12.355, 304.561

Protanomaly
44, 12.020, 293.703

Deuteranomaly
44, 12.273, 302.778

Tritanomaly
44, 8.079, 305.494

Monochromacy



Original Color
44, 12.355, 304.561

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 4.965, 304.930

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 12.355, 304.561 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(108, 101, 121)` looks like.

```
.text, #text, p{  
    color:rgb(108, 101, 121)  
}
```

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(108, 101, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 101, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 12.355, 304.561 is called "border". The border property can be set on classes, ids or directly on the HTML element.

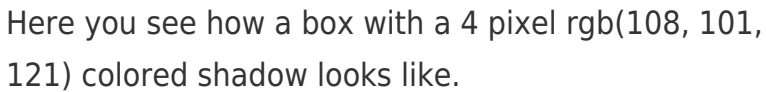
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 101, 121) }
```

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

```
.border{ border-color:rgb(108, 101, 121) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 101, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 101, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 101, 121);  
box-shadow:4px 4px 4px 4px rgb(108, 101,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 12.355, 304.561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 101, 121) }
```

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

```
.background{ background-color: rgb(108,  
101, 121) }
```

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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