

Converting Colors

CIELCh(45, 11.626, 311.604)

Have a look what the booklet for
CIELCh(45, 11.626, 311.604)
contains.

CIELCh(45, 11.504, 311.597)	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(45, 11.504, 311.597)

Conversions

Conversions Part 1

Format	Color
Hex	716779
RGB	113, 103, 121
RGB Percent	44%, 40%, 47%
CMY	0.5575, 0.5967, 0.5262
CMYK	0.07, 0.15, 0.00, 0.53
HSL	273°, 8%, 44%
HSV	273°, 15%, 47%
XYZ	15.0612, 14.5417, 20.0455
YIQ	108.0420, 0.1820, 7.7180

Conversions

Conversions Part 2

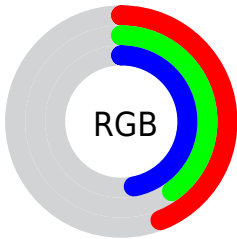
Format	Color
R_{YB}	113, 103, 121
Decimal	7432057
CIE Lab	45.00, 7.64, -8.60
CIE LCh	45, 11.504, 311.597
Yxy	14.5417, 0.3034, 0.2929
Android (android.graphics.Color)	4285622137 (0xFF716779)
YUV	108.0420, 6.3883, 4.3482
Hunter-Lab	38.1336, 3.7664, -4.4731

Details

The CIELCh color $45, 11.504, 311.597$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 11.307, 130.373$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 11.386, 312.226$, and $25, 11.285, 312.093$ is the 20% darker color. If you saturate the color by 10%, you get $41, 19.452, 312.051$, and if you desaturate by 10%, it is $49, 3.733, 311.155$.

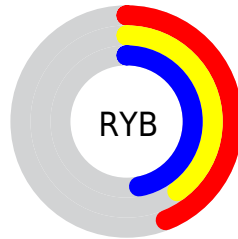
Distribution



Red (44%)

Green (40%)

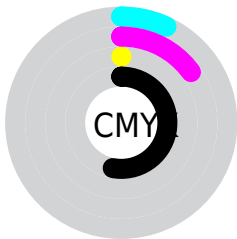
Blue (47%)



Red (44%)

Yellow (40%)

Blue (47%)

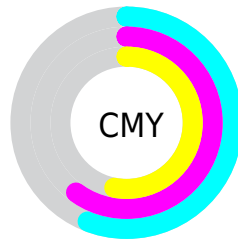


Cyan (7%)

Magenta (15%)

Yellow (0%)

Black (53%)



Cyan (56%)


Magenta (60%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 11.504, 311.597 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 45, 11.504, 311.597 by changing the saturation by 10% instead.


 45, 11.504,
311.597


 45, 11.504,
311.597


 100, 11.504,
311.597


 35, 11.504,
311.597

 65, 11.504,
311.597


 25, 11.504,
311.597

 75, 11.504,
311.597

 15, 11.504,
311.597

 85, 11.504,
311.597

 5, 11.504, 311.597

 95, 11.504,
311.597

 0, 11.504, 311.597

 45, 11.504,

 45, 11.504,

311.597

41, 19.452,
312.051

37, 27.532,
312.521

34, 35.652,
312.989

30, 43.664,
313.426

27, 51.329,
313.788

24, 58.305,
314.012

21, 64.149,
314.017

19, 68.526,
313.748

311.597

49, 3.733, 311.155

53, 3.831, 130.814

57, 11.181,
130.443

60, 18.315,
130.121

64, 25.239,
129.835

68, 31.961,
129.582

72, 38.489,
129.360

76, 44.834,
129.165

■ 18,70.719,
313.646

■ 80,51.006,
128.996

Harmonies

Complementary

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



45, 11.504, 311.597



49, 11.307, 130.373

Rectangle

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



45, 11.504, 311.597



45, 11.504, 1.597



45, 11.504, 131.597



45, 11.504, 181.597

Sweetspot

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



45, 11.503, 311.596



63, 3.801, 311.118



46, 6.582, 262.639



32, 2.688, 311.148



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 11.503, 311.596



56, 17.401, 311.755



46, 12.503, 326.591



24, 4.365, 311.340



19, 72.467, 313.607



42, 122.592, 313.018

Inverse Universe

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



45, 8.825, 348.004



57, 13.349, 348.349



49, 12.486, 144.937



24, 3.348, 347.459



26, 49.780, 5.585



54, 83.829, 8.386

Previews

White Background



This preview shows how the CIELCh color 45, 11.504, 311.597 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 45, 11.504, 311.597 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 45, 11.504, 311.597

Background



This preview shows how black text looks on a background with the CIELCh color 45, 11.504, 311.597.



This preview shows how white text looks on a background with the CIELCh color 45, 11.504, 311.597.

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


45, 11.504, 311.597

Protanopia

45, 10.157, 287.270

Deuteranopia

45, 10.464, 304.519



Tritanopia
45, 5.806, 324.783

Trichromacy



Original Color
45, 11.504, 311.597

Protanomaly
45, 10.199, 295.941

Deuteranomaly
45, 10.561, 306.605

Tritanomaly
45, 7.349, 316.956

Monochromacy



Original Color
45, 11.504, 311.597

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 4.497, 311.749

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 11.504, 311.597 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(113, 103, 121)` looks like.

```
.text, #text, p{  
    color:rgb(113, 103, 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(113, 103, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 103, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 11.504, 311.597 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(113, 103, 121) }
```

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

```
.border{ border-color:rgb(113, 103, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 103, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 103, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 103, 121);  
box-shadow:4px 4px 4px 4px rgb(113, 103,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 11.504, 311.597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 103, 121) }
```

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

```
.background{ background-color: rgb(113,  
103, 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](#).

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