

Converting Colors

CIELCh(47, 6.522, 243.729)

Have a look what the booklet for
CIELCh(47, 6.522, 243.729) contains.

CIELCh(47, 6.522, 245.813)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(47, 6.522, 245.813)

Conversions

Conversions Part 1

Format	Color
Hex	657179
RGB	101, 113, 121
RGB Percent	40%, 44%, 47%
CMY	0.6031, 0.5561, 0.5247
CMYK	0.17, 0.07, 0.00, 0.52
HSL	204°, 9%, 44%
HSV	204°, 17%, 48%
XYZ	14.7809, 16.0195, 20.4684
YIQ	110.3240, -9.7200, -0.0560

Conversions

Conversions Part 2

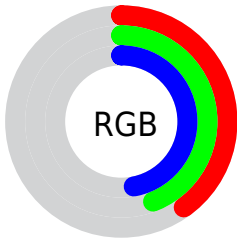
Format	Color
R_{YB}	101, 109, 121
Decimal	6648185
CIE _{Lab}	47.00, -2.67, -5.95
CIE _{LCh}	47, 6.522, 245.813
Yxy	16.0195, 0.2883, 0.3125
Android (android.graphics.Color)	4284838265 (0xFF657179)
YUV	110.3240, 5.2633, -8.1771
Hunter-Lab	40.0243, -4.1227, -2.3039

Details

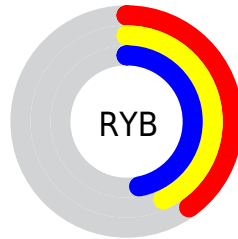
The CIELCh color $47, 6.522, 245.813$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 6.968, 62.249$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 6.402, 242.938$, and $27, 6.771, 249.563$ is the 20% darker color. If you saturate the color by 10%, you get $45, 10.313, 247.232$, and if you desaturate by 10%, it is $49, 2.605, 244.674$.

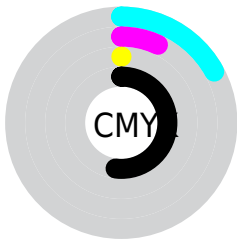
Distribution



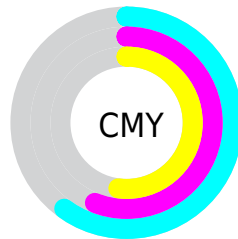
- Red (40%)
- Green (44%)
- Blue (47%)



- Red (40%)
- Yellow (43%)
- Blue (47%)



- Cyan (17%)
- Magenta (7%)
- Yellow (0%)
- Black (52%)



- Cyan (60%)
- Magenta (56%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 6.522, 245.813 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 47, 6.522, 245.813 by changing the saturation by 10% instead.

■ 47, 6.522, 245.813

■ 47, 6.522, 245.813

■ 100, 6.522,
245.813

■ 37, 6.522, 245.813

■ 67, 6.522, 245.813

■ 27, 6.522, 245.813

■ 77, 6.522, 245.813

■ 17, 6.522, 245.813

■ 87, 6.522, 245.813

■ 7, 6.522, 245.813

■ 97, 6.522, 245.813

■ 0, 6.522, 245.813

■ 47, 6.522, 245.813

■ 47, 6.522, 245.813

■ 45, 10.313,
247.232

■ 49, 2.605, 244.674

■ 42, 13.952,

■ 52, 1.408, 63.337

248.973

54, 5.494, 62.662

40, 17.412,
251.083

57, 9.632, 61.979

38, 20.673,
253.627

59, 13.803, 61.388

36, 23.731,
256.671

61, 17.993, 60.879

34, 26.604,
260.256

64, 22.189, 60.439

32, 29.339,
264.383

66, 26.381, 60.056

30, 32.039,
268.858

69, 30.561, 59.720

30, 33.023,
270.319

Harmonies

Complementary

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



47, 6.522, 245.813



47, 6.968, 62.249

Rectangle

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



47, 6.522, 245.813



47, 6.522, 295.813



47, 6.522, 65.813



47, 6.522, 115.813

Sweetspot

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



47, 6.522, 245.803



64, 2.494, 244.556



49, 10.888, 156.647



33, 1.691, 244.602



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 6.522, 245.803



59, 9.765, 246.339



44, 10.607, 286.850



25, 2.266, 244.929



31, 33.833, 270.493



61, 59.385, 273.391

Inverse Universe

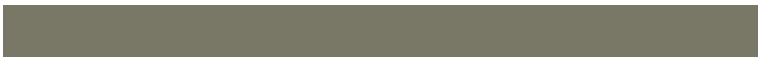
The Inverse Universe completely reimagines the original color for something new.



45, 10.884, 339.828



56, 16.435, 340.153



50, 10.330, 103.299



24, 3.721, 339.240



26, 51.832, 351.775



55, 86.442, 353.559

Previews

White Background



This preview shows how the CIELCh color 47, 6.522, 245.813 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 47, 6.522, 245.813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

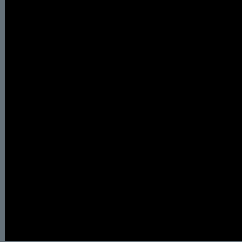
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

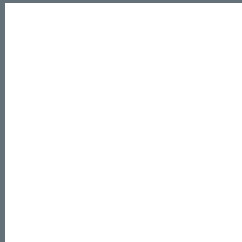
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 6.522, 245.813

Background



This preview shows how black text looks on a background with the CIELCh color 47, 6.522, 245.813.



This preview shows how white text looks on a background with the CIELCh color 47, 6.522, 245.813.

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

47, 6.522, 245.813

Protanopia

47, 5.330, 290.909

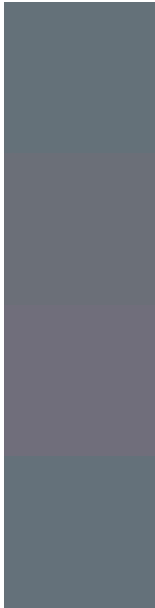
Deuteranopia

47, 9.077, 314.342



Tritanopia
47, 6.940, 249.438

Trichromacy



Original Color
47, 6.522, 245.813

Protanomaly
47, 5.084, 268.226

Deuteranomaly
47, 7.132, 294.291

Tritanomaly
47, 6.940, 249.438

Monochromacy



Original Color
47, 6.522, 245.813

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 2.644, 241.629

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 6.522, 245.813 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(101, 113, 121)` looks like.

```
.text, #text, p{  
    color:rgb(101, 113, 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(101, 113, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 113, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 6.522, 245.813 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(101, 113, 121) }
```

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

```
.border{ border-color:rgb(101, 113, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 113, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 113, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 113, 121);  
box-shadow:4px 4px 4px 4px rgb(101, 113,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 6.522, 245.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 113, 121) }
```

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

```
.background{ background-color: rgb(101,  
113, 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