

Converting Colors

CIELCh(47, 6.458, 234.674)

Have a look what the booklet for
CIELCh(47, 6.458, 234.674) contains.

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Color

CIELCh(47, 6.373, 232.909)

Conversions

Conversions Part 1

Format	Color
Hex	647278
RGB	100, 114, 120
RGB Percent	39%, 45%, 47%
CMY	0.6089, 0.5540, 0.5305
CMYK	0.17, 0.05, 0.00, 0.53
HSL	198°, 9%, 43%
HSV	198°, 17%, 47%
XYZ	14.5886, 16.0195, 20.0079
YIQ	110.4980, -10.2700, -1.1020

Conversions

Conversions Part 2

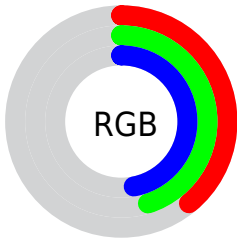
Format	Color
R_{YB}	100, 108, 120
Decimal	6582904
CIE _{Lab}	47.00, -3.84, -5.08
CIE _{LCh}	47, 6.373, 232.909
Yxy	16.0195, 0.2882, 0.3165
Android (android.graphics.Color)	4284772984 (0xFF647278)
YUV	110.4980, 4.6845, -9.2067
Hunter-Lab	40.0243, -4.9804, -1.6216

Details

The CIELCh color $47, 6.373, 232.909$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 6.970, 50.489$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 6.329, 230.719$, and $27, 6.501, 235.846$ is the 20% darker color. If you saturate the color by 10%, you get $45, 9.946, 233.935$, and if you desaturate by 10%, it is $49, 2.610, 232.138$.

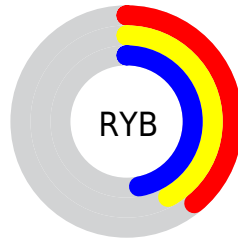
Distribution



Red (39%)

Green (45%)

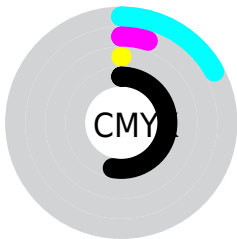
Blue (47%)



Red (39%)

Yellow (42%)

Blue (47%)

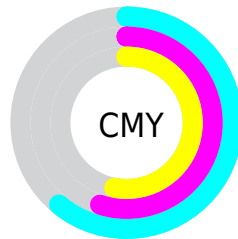


Cyan (17%)

Magenta (5%)

Yellow (0%)

Black (53%)



Cyan (61%)

Magenta (55%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 6.373, 232.909 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, 6.373, 232.909 by changing the saturation by 10% instead.

■ 47, 6.373, 232.909

■ 47, 6.373, 232.909

■ 100, 6.373,
232.909

■ 37, 6.373, 232.909

■ 67, 6.373, 232.909

■ 27, 6.373, 232.909

■ 77, 6.373, 232.909

■ 17, 6.373, 232.909

■ 87, 6.373, 232.909

■ 7, 6.373, 232.909

■ 97, 6.373, 232.909

■ 0, 6.373, 232.909

■ 47, 6.373, 232.909

■ 47, 6.373, 232.909

■ 45, 9.946, 233.935

■ 49, 2.610, 232.138

■ 43, 13.287,
235.254

■ 51, 1.305, 51.072

41, 16.354,
236.912

53, 5.336, 50.744

40, 19.110,
238.982

55, 9.454, 50.353

38, 21.530,
241.545

57, 13.636, 50.030

37, 23.613,
244.675

59, 17.860, 49.772

35, 25.390,
248.426

62, 22.110, 49.566

64, 26.374, 49.401

34, 26.976,
252.662

66, 30.639, 49.271

33, 27.522,
254.003

Harmonies

Complementary

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



47, 6.373, 232.909



46, 6.970, 50.489

Rectangle

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



47, 6.373, 232.909



47, 6.373, 282.909



47, 6.373, 52.909



47, 6.373, 102.909

Sweetspot

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



47, 6.373, 232.898



63, 2.422, 232.063



48, 11.755, 152.485



33, 1.663, 232.087



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, 6.373, 232.898



59, 9.375, 233.262



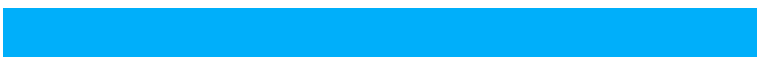
44, 9.488, 281.425



24, 2.147, 232.282



34, 27.988, 254.130



68, 48.652, 257.139

Inverse Universe

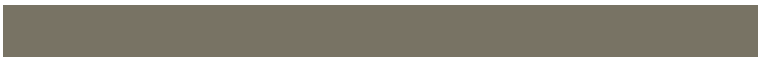
The Inverse Universe completely reimagines the original color for something new.



45, 11.691, 335.370



56, 17.380, 335.640



49, 9.343, 97.525



23, 3.855, 334.831



26, 53.984, 344.117



55, 90.590, 345.294

Previews

White Background



This preview shows how the CIELCh color 47, 6.373, 232.909 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, 6.373, 232.909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

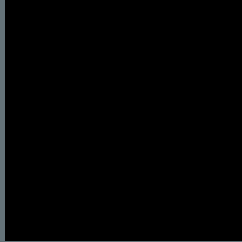
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

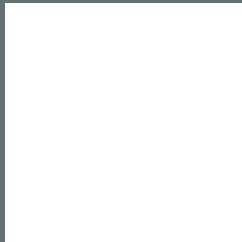
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 6.373, 232.909

Background



This preview shows how black text looks on a background with the CIELCh color 47, 6.373, 232.909.



This preview shows how white text looks on a background with the CIELCh color 47, 6.373, 232.909.

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, 6.373, 232.909

Protanopia

47, 4.147, 290.752

Deuteranopia

47, 8.714, 318.310



Tritanopia
47, 7.182, 247.150

Trichromacy



Original Color
47, 6.373, 232.909

Protanomaly
47, 4.548, 265.204

Deuteranomaly
47, 6.541, 294.509

Tritanomaly
47, 6.782, 243.510

Monochromacy



Original Color
47, 6.373, 232.909

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 2.648, 241.633

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 6.373, 232.909 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(100, 114, 120)` looks like.

```
.text, #text, p{  
    color:rgb(100, 114, 120)  
}
```

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(100, 114, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 114, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 6.373, 232.909 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(100, 114, 120) }
```

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

```
.border{ border-color:rgb(100, 114, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 114, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 114, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 114, 120);  
box-shadow:4px 4px 4px 4px rgb(100, 114,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 6.373, 232.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 114, 120) }
```

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

```
.background{ background-color: rgb(100,  
114, 120) }
```

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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