

Converting Colors

CIELCh(47, 16.809, 184.427)

Have a look what the booklet for
CIELCh(47, 16.809, 184.427)
contains.

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Color

CIELCh(47, 16.713, 185.216)

Conversions

Conversions Part 1

Format	Color
Hex	4B7771
RGB	75, 119, 113
RGB Percent	29%, 47%, 44%
CMY	0.7041, 0.5315, 0.5551
CMYK	0.37, 0.00, 0.05, 0.53
HSL	172°, 23%, 38%
HSV	172°, 37%, 47%
XYZ	12.5944, 16.0195, 18.1847
YIQ	105.1600, -24.2980, -11.1940

Conversions

Conversions Part 2

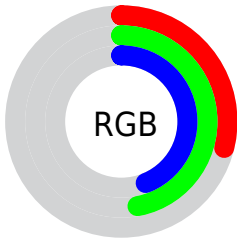
Format	Color
RYB	75, 99, 119
Decimal	4945777
CIELab	47.00, -16.64, -1.52
CIELCh	47, 16.713, 185.216
Yxy	16.0195, 0.2691, 0.3423
Android (android.graphics.Color)	4283135857 (0xFF4B7771)
YUV	105.1600, 3.8651, -26.4503
Hunter-Lab	40.0243, -13.8740, 1.0791

Details

The CIELCh color $47, 16.713, 185.216$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $37, 19.989, 12.209$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 16.427, 186.315$, and $27, 16.595, 185.364$ is the 20% darker color. If you saturate the color by 10%, you get $46, 20.529, 184.315$, and if you desaturate by 10%, it is $48, 12.524, 186.076$.

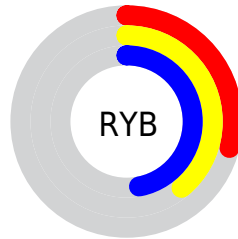
Distribution



Red (29%)

Green (47%)

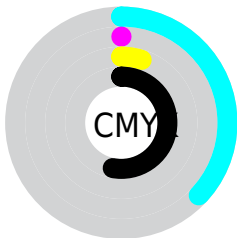
Blue (44%)



Red (29%)

Yellow (39%)

Blue (47%)

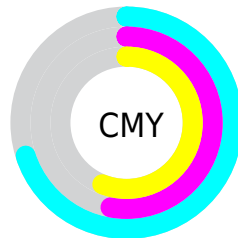


Cyan (37%)

Magenta (0%)

Yellow (5%)

Black (53%)



Cyan (70%)


Magenta (53%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 16.713, 185.216 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, 16.713, 185.216 by changing the saturation by 10% instead.


 47, 16.713,
185.216


 47, 16.713,
185.216


 100, 16.713,
185.216


 37, 16.713,
185.216

 67, 16.713,
185.216


 27, 16.713,
185.216

 77, 16.713,
185.216

 17, 16.713,
185.216


 87, 16.713,
185.216

 7, 16.713, 185.216

 97, 16.713,
185.216

 0, 16.713, 185.216

 47, 16.713,

 47, 16.713,

185.216

185.216

■ 46, 20.529,
184.315

■ 48, 12.524,
186.076

■ 46, 23.900,
183.367

■ 49, 8.035, 186.916

■ 45, 26.767,
182.355

■ 50, 3.320, 187.780

■ 51, 1.555, 8.218

■ 45, 29.091,
181.259

■ 52, 6.532, 9.157

■ 45, 30.864,
180.063

■ 53, 11.563, 9.926

■ 54, 16.609, 10.665

■ 45, 32.186,
178.781

■ 56, 21.640, 11.384

■ 45, 32.591,
178.389

■ 57, 26.632, 12.084

Harmonies

Complementary

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



47, 16.713, 185.216



37, 19.989, 12.209

Rectangle

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



47, 16.713, 185.216



47, 16.713, 235.216



47, 16.713, 5.216



47, 16.713, 55.216

Sweetspot

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



47, 16.713, 185.213



63, 6.580, 187.385



46, 30.172, 138.238



33, 4.448, 187.295



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, 16.713, 185.213



60, 24.092, 184.475



42, 13.513, 242.290



24, 2.682, 187.581



46, 33.177, 178.350



89, 56.744, 177.488

Inverse Universe

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



37, 19.989, 12.209



45, 30.139, 13.592



41, 16.374, 54.940



23, 2.792, 8.885



24, 55.182, 31.837



52, 96.444, 34.746

Previews

White Background



This preview shows how the CIELCh color 47, 16.713, 185.216 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, 16.713, 185.216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

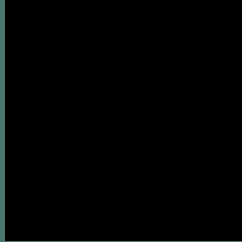
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 16.713, 185.216

Background



This preview shows how black text looks on a background with the CIELCh color 47, 16.713, 185.216.



This preview shows how white text looks on a background with the CIELCh color 47, 16.713, 185.216.

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, 16.713, 185.216

Protanopia
47, 2.020, 55.143

Deuteranopia
47, 6.534, 333.757



Tritanopia
47, 14.431, 222.527

Trichromacy



Original Color
47, 16.713, 185.216

Protanomaly
47, 5.519, 180.000

Deuteranomaly
47, 3.938, 226.028

Tritanomaly
47, 14.470, 207.401

Monochromacy



Original Color
47, 16.713, 185.216

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 6.478, 188.074

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 16.713, 185.216 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(75, 119, 113)` looks like.

```
.text, #text, p{  
    color:rgb(75, 119, 113)  
}
```

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(75, 119, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 119, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 16.713, 185.216 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(75, 119, 113) }
```

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

```
.border{ border-color:rgb(75, 119, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 119, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 119, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 119, 113);  
box-shadow:4px 4px 4px 4px rgb(75, 119,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 16.713, 185.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 119, 113) }
```

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

```
.background{ background-color: rgb(75, 119,  
113) }
```

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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