

Converting Colors

CIELCh(47, 18.457, 208.730)

Have a look what the booklet for
CIELCh(47, 18.457, 208.730)
contains.

CIELCh(47, 18.452, 208.741)	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, 18.452, 208.741)

Conversions

Conversions Part 1

Format	Color
Hex	42787E
RGB	66, 120, 126
RGB Percent	26%, 47%, 49%
CMY	0.7422, 0.5304, 0.5069
CMYK	0.48, 0.05, 0.00, 0.51
HSL	186°, 31%, 38%
HSV	186°, 48%, 49%
XYZ	12.6635, 16.0195, 22.0755
YIQ	104.5380, -34.1100, -9.5820

Conversions

Conversions Part 2

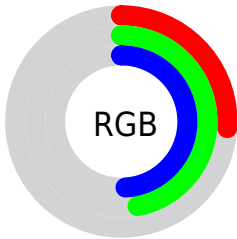
Format	Color
RYB	66, 94, 126
Decimal	4356222
CIELab	47.00, -16.18, -8.87
CIELCh	47, 18.452, 208.741
Yxy	16.0195, 0.2495, 0.3156
Android (android.graphics.Color)	4282546302 (0xFF42787E)
YUV	104.5380, 10.5808, -33.7978
Hunter-Lab	40.0243, -13.5661, -4.6845

Details

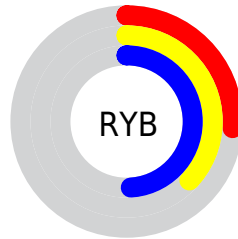
The CIELCh color $47, 18.452, 208.741$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $37, 26.136, 31.308$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 18.400, 210.212$, and $27, 18.337, 209.246$ is the 20% darker color. If you saturate the color by 10%, you get $46, 21.131, 209.164$, and if you desaturate by 10%, it is $48, 15.280, 208.490$.

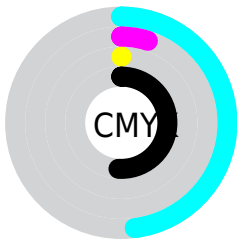
Distribution



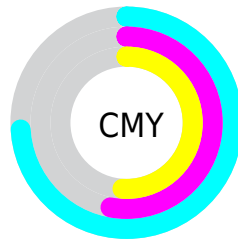
- Red (26%)
- Green (47%)
- Blue (49%)



- Red (26%)
- Yellow (37%)
- Blue (49%)



- Cyan (48%)
- Magenta (5%)
- Yellow (0%)
- Black (51%)





- Cyan (74%)
- Magenta (53%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 18.452, 208.741 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, 18.452, 208.741 by changing the saturation by 10% instead.


 47, 18.452,
208.741


 47, 18.452,
208.741


 100, 18.452,
208.741


 37, 18.452,
208.741

 67, 18.452,
208.741


 27, 18.452,
208.741

 77, 18.452,
208.741

 17, 18.452,
208.741


 87, 18.452,
208.741

 7, 18.452, 208.741

 97, 18.452,
208.741

 0, 18.452, 208.741

 47, 18.452,

 47, 18.452,

208.741

■ 46, 21.131,
209.164

■ 45, 23.266,
209.797

■ 45, 24.830,
210.673

■ 44, 25.826,
211.826

■ 43, 26.380,
213.224

■ 43, 26.500,
213.542

208.741

■ 48, 15.280,
208.490

■ 49, 11.677,
208.388

■ 50, 7.712, 208.415

■ 52, 3.451, 208.582

■ 53, 1.042, 28.266

■ 54, 5.712, 28.814

■ 56, 10.512, 29.128

■ 58, 15.402, 29.455

■ 59, 20.350, 29.799

Harmonies

Complementary

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



47, 18.452, 208.741



37, 26.136, 31.308

Rectangle

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



47, 18.452, 208.741



47, 18.452, 258.741



47, 18.452, 28.741



47, 18.452, 78.741

Sweetspot

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



47, 18.452, 208.739



65, 7.615, 208.452



48, 39.964, 143.024



33, 5.204, 208.430



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



47, 18.452, 208.739



59, 25.732, 209.197



38, 22.631, 272.251



26, 2.540, 208.545



44, 26.763, 213.569



0, 0.000, 0.000

Inverse Universe

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



37, 39.363, 329.933



45, 56.789, 330.503



44, 24.123, 77.772



25, 4.764, 327.748



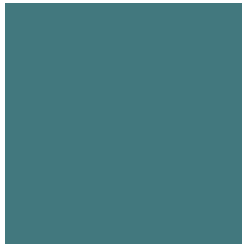
29, 64.071, 332.508



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 18.452, 208.741 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 47, 18.452, 208.741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

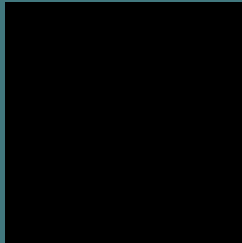
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 18.452, 208.741

Background



This preview shows how black text looks on a background with the CIELCh color 47, 18.452, 208.741.



This preview shows how white text looks on a background with the CIELCh color 47, 18.452, 208.741.

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, 18.452, 208.741

Protanopia

47, 5.931, 290.993

Deuteranopia

47, 12.063, 300.923



Tritanopia
47, 18.140, 216.919

Trichromacy



Original Color
47, 18.452, 208.741

Protanomaly
47, 8.765, 231.620

Deuteranomaly
46, 10.528, 257.085

Tritanomaly
47, 18.057, 214.991

Monochromacy



Original Color
47, 18.452, 208.741

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 7.795, 207.422

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 18.452, 208.741 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(66, 120, 126)` looks like.

```
.text, #text, p{  
    color:rgb(66, 120, 126)  
}
```

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(66, 120, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 120, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 18.452, 208.741 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(66, 120, 126) }
```

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

```
.border{ border-color:rgb(66, 120, 126) }
```

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

Here you see how a box with a 4 pixel rgb(66, 120, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 120, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 120, 126);  
box-shadow:4px 4px 4px 4px rgb(66, 120,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 18.452, 208.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 120, 126) }
```

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

```
.background{ background-color: rgb(66, 120,  
126) }
```

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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