

Converting Colors

CIELCh(47, 21.189, 218.248)

Have a look what the booklet for
CIELCh(47, 21.189, 218.248)
contains.

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Color

CIELCh(47, 21.160, 219.027)

Conversions

Conversions Part 1

Format	Color
Hex	387885
RGB	56, 120, 133
RGB Percent	22%, 47%, 52%
CMY	0.7796, 0.5287, 0.4777
CMYK	0.58, 0.10, 0.00, 0.48
HSL	190°, 41%, 37%
HSV	190°, 58%, 52%
XYZ	12.6249, 16.0195, 24.6809
YIQ	102.3460, -42.3170, -9.5250

Conversions

Conversions Part 2

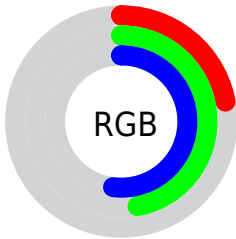
Format	Color
R _{YB}	56, 91, 133
Decimal	3700869
CIE _{Lab}	47.00, -16.44, -13.32
CIE _{LCh}	47, 21.160, 219.027
Y _{xy}	16.0195, 0.2368, 0.3004
Android (android.graphics.Color)	4281890949 (0xFF387885)
YUV	102.3460, 15.1124, -40.6454
Hunter-Lab	40.0243, -13.7380, -8.5440

Details

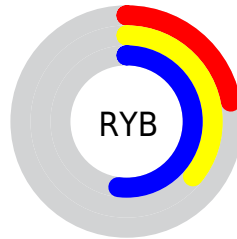
The CIELCh color **47, 21.160, 219.027** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **37, 32.839, 37.717**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 21.129, 219.590**, and **27, 19.367, 221.036** is the 20% darker color. If you saturate the color by 10%, you get **46, 23.338, 220.420**, and if you desaturate by 10%, it is **48, 18.454, 217.972**.

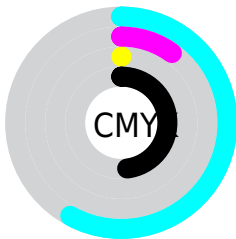
Distribution



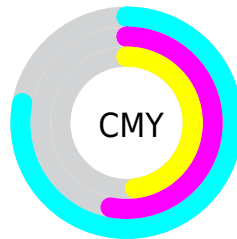
- Red (22%)
- Green (47%)
- Blue (52%)



- Red (22%)
- Yellow (36%)
- Blue (52%)



- Cyan (58%)
- Magenta (10%)
- Yellow (0%)
- Black (48%)





- Cyan (78%)
- Magenta (53%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 21.160, 219.027 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, 21.160, 219.027 by changing the saturation by 10% instead.


 47, 21.160,
219.027


 47, 21.160,
219.027


 100, 21.160,
219.027


 37, 21.160,
219.027

 67, 21.160,
219.027


 27, 21.160,
219.027

 77, 21.160,
219.027

 17, 21.160,
219.027

 87, 21.160,
219.027

 7, 21.160, 219.027

 97, 21.160,
219.027

 0, 21.160, 219.027

 47, 21.160,

 47, 21.160,

219.027

■ 46, 23.338,
220.420

■ 45, 24.965,
222.220

■ 44, 26.052,
224.493

■ 43, 26.730,
227.193

■ 43, 26.877,
227.785

219.027

■ 48, 18.454,
217.972

■ 50, 15.270,
217.200

■ 51, 11.668,
216.657

■ 53, 7.713, 216.305

■ 54, 3.472, 216.144

■ 56, 0.998, 35.506

■ 58, 5.642, 35.817

■ 60, 10.417, 35.894

■ 61, 15.286, 36.002

Harmonies

Complementary

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



47, 21.160, 219.027



37, 32.839, 37.717

Rectangle

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



47, 21.160, 219.027



47, 21.160, 269.027



47, 21.160, 39.027



47, 21.160, 89.027

Sweetspot

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



47, 21.160, 219.025



67, 9.149, 216.294



50, 47.098, 144.251



35, 6.064, 216.339



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



47, 21.160, 219.025



59, 28.924, 220.873



35, 32.418, 281.859



27, 2.492, 216.150



42, 26.419, 227.703



0, 0.611, 215.948

Inverse Universe

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



36, 46.596, 333.039



44, 65.764, 333.887



47, 32.430, 83.663



26, 4.690, 329.968



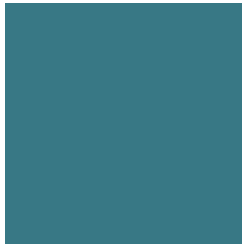
29, 61.698, 336.045



0, 1.117, 329.462

Previews

White Background



This preview shows how the CIELCh color 47, 21.160, 219.027 looks on a white background.

Color Contrast Check

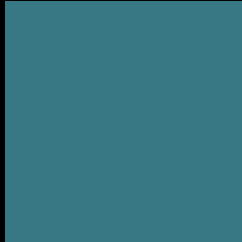
Large Text (above 18pt) WCAG AA ✓ Pass

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, 21.160, 219.027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

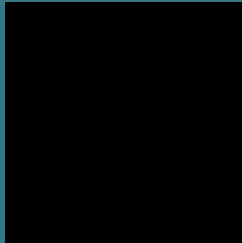
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 21.160, 219.027

Background



This preview shows how black text looks on a background with the CIELCh color 47, 21.160, 219.027.

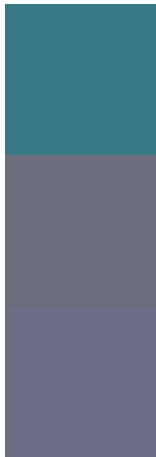


This preview shows how white text looks on a background with the CIELCh color 47, 21.160, 219.027.

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, 21.160, 219.027

Protanopia

47, 9.502, 286.851

Deuteranopia

47, 16.011, 292.328



Tritanopia
47, 21.351, 211.920

Trichromacy



Original Color
47, 21.160, 219.027

Protanomaly
47, 12.417, 244.733

Deuteranomaly
47, 15.076, 259.329

Tritanomaly
47, 21.385, 213.581

Monochromacy



Original Color
47, 21.160, 219.027

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 9.133, 217.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 21.160, 219.027 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(56, 120, 133)` looks like.

```
.text, #text, p{  
    color:rgb(56, 120, 133)  
}
```

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(56, 120, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 120, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 21.160, 219.027 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(56, 120, 133) }
```

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

```
.border{ border-color:rgb(56, 120, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 120, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 120, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 120, 133);  
box-shadow:4px 4px 4px 4px rgb(56, 120,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 21.160, 219.027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 120, 133) }
```

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

```
.background{ background-color: rgb(56, 120,  
133) }
```

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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