

Converting Colors

CIELCh(47, 20.213, 222.086)

Have a look what the booklet for
CIELCh(47, 20.213, 222.086)
contains.

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Color

CIELCh(47, 20.225, 222.037)

Conversions

Conversions Part 1

Format	Color
Hex	3D7886
RGB	61, 120, 134
RGB Percent	24%, 47%, 53%
CMY	0.7625, 0.5311, 0.4762
CMYK	0.55, 0.10, 0.00, 0.48
HSL	191°, 38%, 38%
HSV	191°, 55%, 52%
XYZ	12.8364, 16.0195, 24.8139
YIQ	103.9550, -39.6580, -8.1540

Conversions

Conversions Part 2

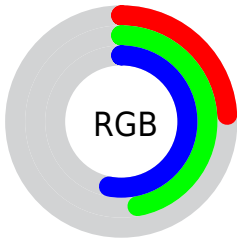
Format	Color
RYB	61, 94, 134
Decimal	4028550
CIELab	47.00, -15.02, -13.54
CIELCh	47, 20.225, 222.037
Yxy	16.0195, 0.2392, 0.2985
Android (android.graphics.Color)	4282218630 (0xFF3D7886)
YUV	103.9550, 14.8122, -37.6715
Hunter-Lab	40.0243, -12.7947, -8.7411

Details

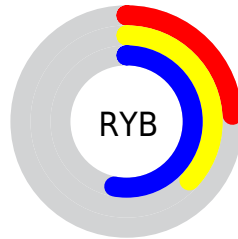
The CIELCh color **47, 20.225, 222.037** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **38, 30.353, 39.307**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 20.258, 222.371**, and **27, 19.466, 223.087** is the 20% darker color. If you saturate the color by 10%, you get **46, 22.594, 223.556**, and if you desaturate by 10%, it is **48, 17.360, 220.875**.

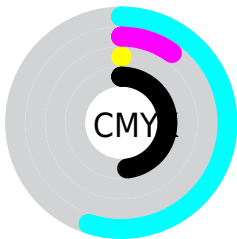
Distribution



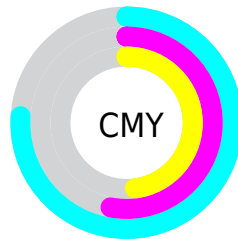
- Red (24%)
- Green (47%)
- Blue (53%)



- Red (24%)
- Yellow (37%)
- Blue (53%)



- Cyan (55%)
- Magenta (10%)
- Yellow (0%)
- Black (48%)





- Cyan (76%)
- Magenta (53%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 20.225, 222.037 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, 20.225, 222.037 by changing the saturation by 10% instead.


 47, 20.225,
222.037

 47, 20.225,
222.037


 100, 20.225,
222.037


 37, 20.225,
222.037

 67, 20.225,
222.037


 27, 20.225,
222.037

 77, 20.225,
222.037

 17, 20.225,
222.037

 87, 20.225,
222.037

 7, 20.225, 222.037

 97, 20.225,
222.037

 0, 20.225, 222.037

 47, 20.225,

 47, 20.225,

222.037

■ 46, 22.594,
223.556

■ 44, 24.438,
225.509

■ 43, 25.760,
227.968

■ 42, 26.621,
230.974

■ 42, 27.034,
232.632

222.037

■ 48, 17.360,
220.875

■ 50, 14.050,
220.011

■ 51, 10.356,
219.387

■ 53, 6.342, 218.965

■ 55, 2.068, 218.800

■ 57, 2.410, 38.255

■ 59, 7.044, 38.275

■ 61, 11.793, 38.279

■ 63, 16.624, 38.323

Harmonies

Complementary

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



47, 20.225, 222.037



38, 30.353, 39.307

Rectangle

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



47, 20.225, 222.037



47, 20.225, 272.037



47, 20.225, 42.037



47, 20.225, 92.037

Sweetspot

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



47, 20.225, 222.035



67, 8.523, 219.023



50, 44.361, 145.164



35, 5.702, 219.087



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, 20.225, 222.035



58, 28.043, 224.057



36, 31.363, 282.231



27, 2.459, 218.821



41, 26.512, 232.527



0, 0.602, 218.524

Inverse Universe

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



37, 43.874, 333.726



45, 62.813, 334.639



48, 31.071, 85.470



26, 4.616, 330.749



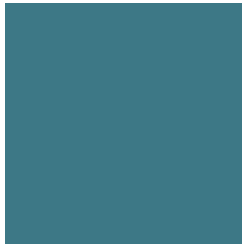
29, 60.676, 337.321



0, 1.099, 330.234

Previews

White Background



This preview shows how the CIELCh color 47, 20.225, 222.037 looks on a white background.

Color Contrast Check

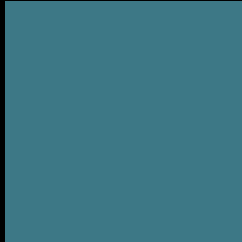
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.225, 222.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

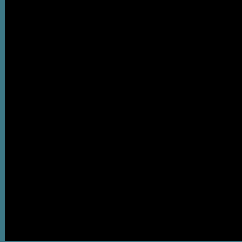
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 20.225, 222.037

Background



This preview shows how black text looks on a background with the CIELCh color 47, 20.225, 222.037.

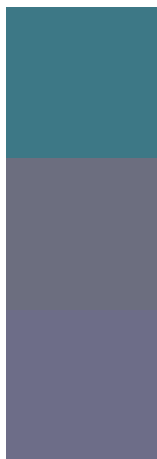


This preview shows how white text looks on a background with the CIELCh color 47, 20.225, 222.037.

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, 20.225, 222.037

Protanopia

47, 10.092, 287.216

Deuteranopia

47, 16.011, 292.328



Tritanopia
47, 20.282, 214.607

Trichromacy



Original Color
47, 20.225, 222.037

Protanomaly
46, 12.167, 250.435

Deuteranomaly
47, 14.915, 260.430

Tritanomaly
47, 20.127, 216.578

Monochromacy



Original Color
47, 20.225, 222.037

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 8.791, 218.498

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 20.225, 222.037 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(61, 120, 134)` looks like.

```
.text, #text, p{  
    color:rgb(61, 120, 134)  
}
```

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(61, 120, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 120, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 20.225, 222.037 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(61, 120, 134) }
```

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

```
.border{ border-color:rgb(61, 120, 134) }
```

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

Here you see how a box with a 4 pixel rgb(61, 120, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 120, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 120, 134);  
box-shadow:4px 4px 4px 4px rgb(61, 120,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 20.225, 222.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 120, 134) }
```

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

```
.background{ background-color: rgb(61, 120,  
134) }
```

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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