

Converting Colors

CIELCh(42, 20.333, 218.143)

Have a look what the booklet for
CIELCh(42, 20.333, 218.143)
contains.

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Color

CIELCh(42, 20.178, 218.699)

Conversions

Conversions Part 1

Format	Color
Hex	2E6B77
RGB	46, 107, 119
RGB Percent	18%, 42%, 47%
CMY	0.8184, 0.5793, 0.5322
CMYK	0.61, 0.10, 0.00, 0.53
HSL	190°, 44%, 32%
HSV	190°, 61%, 47%
XYZ	9.7742, 12.5000, 19.4388
YIQ	90.1290, -40.2080, -9.2000

Conversions

Conversions Part 2

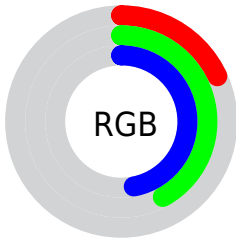
Format	Color
RYB	46, 79, 119
Decimal	3042167
CIELab	42.00, -15.75, -12.62
CIELCh	42, 20.178, 218.699
Yxy	12.5000, 0.2343, 0.2997
Android (android.graphics.Color)	4281232247 (0xFF2E6B77)
YUV	90.1290, 14.2334, -38.7011
Hunter-Lab	35.3553, -12.5246, -7.8496

Details

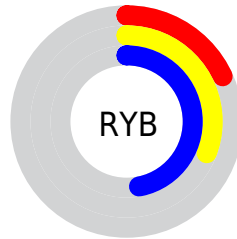
The CIELCh color **42, 20.178, 218.699** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **32, 32.137, 37.642**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 20.164, 217.541**, and **22, 17.339, 225.060** is the 20% darker color. If you saturate the color by 10%, you get **41, 22.032, 220.125**, and if you desaturate by 10%, it is **43, 17.835, 217.612**.

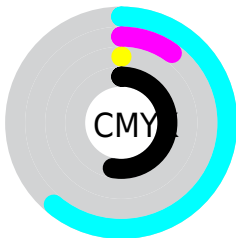
Distribution



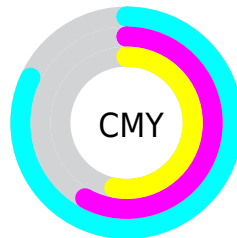
- Red (18%)
- Green (42%)
- Blue (47%)



- Red (18%)
- Yellow (31%)
- Blue (47%)



- Cyan (61%)
- Magenta (10%)
- Yellow (0%)
- Black (53%)




- Cyan (82%)
- Magenta (58%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 20.178, 218.699 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 42, 20.178, 218.699 by changing the saturation by 10% instead.

 42, 20.178,
218.699


 42, 20.178,
218.699


 100, 20.178,
218.699


 32, 20.178,
218.699

 62, 20.178,
218.699


 22, 20.178,
218.699

 72, 20.178,
218.699

 12, 20.178,
218.699

 82, 20.178,
218.699

 2, 20.178, 218.699

 92, 20.178,
218.699

 0, 20.178, 218.699

 42, 20.178,

 42, 20.178,

218.699

■ 41, 22.032,
220.125

■ 40, 23.384,
221.958

■ 39, 24.253,
224.254

■ 39, 24.830,
226.473

218.699

■ 43, 17.835,
217.612

■ 44, 15.042,
216.809

■ 46, 11.852,
216.240

■ 47, 8.324, 215.863

■ 48, 4.516, 215.659

■ 50, 0.485, 216.227

■ 52, 3.722, 35.315

■ 53, 8.059, 35.407

■ 55, 12.493, 35.516

Harmonies

Complementary

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



42, 20.178, 218.699



32, 32.137, 37.642

Rectangle

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



42, 20.178, 218.699



42, 20.178, 268.699



42, 20.178, 38.699



42, 20.178, 88.699

Sweetspot

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



42, 20.178, 218.698



61, 8.867, 215.790



44, 45.825, 143.401



31, 6.165, 215.855



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



42, 20.178, 218.698



53, 27.381, 220.747



31, 30.676, 281.369



24, 2.257, 215.642



40, 25.293, 226.566



78, 42.883, 228.480

Inverse Universe

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



32, 44.810, 333.042



39, 62.774, 333.934



41, 31.053, 81.871



23, 4.246, 329.808



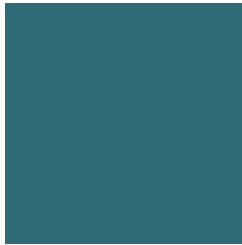
27, 59.300, 335.751



57, 99.864, 336.247

Previews

White Background



This preview shows how the CIELCh color 42, 20.178, 218.699 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 42, 20.178, 218.699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

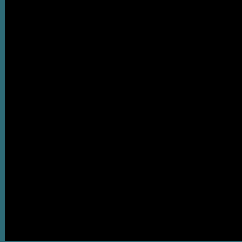
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 20.178, 218.699

Background



This preview shows how black text looks on a background with the CIELCh color 42, 20.178, 218.699.

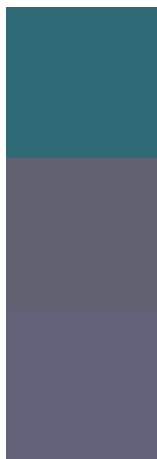


This preview shows how white text looks on a background with the CIELCh color 42, 20.178, 218.699.

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

42, 20.178, 218.699

Protanopia

42, 9.094, 286.605

Deuteranopia

42, 15.131, 292.381



Tritanopia
42, 20.394, 211.096

Trichromacy



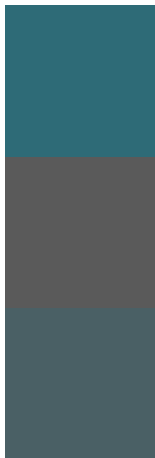
Original Color
42, 20.178, 218.699

Protanomaly
41, 11.727, 245.314

Deuteranomaly
42, 14.161, 258.072

Tritanomaly
42, 20.417, 212.878

Monochromacy



Original Color
42, 20.178, 218.699

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 8.913, 218.632

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 20.178, 218.699 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(46, 107, 119)` looks like.

```
.text, #text, p{  
    color:rgb(46, 107, 119)  
}
```

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(46, 107, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 107, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 20.178, 218.699 is called "border". The border property can be set on classes, ids or directly on the HTML element.

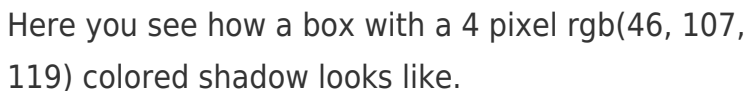
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(46, 107, 119) }
```

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

```
.border{ border-color:rgb(46, 107, 119) }
```

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



Here you see how a box with a 4 pixel `rgb(46, 107, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 107, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 107, 119);  
box-shadow:4px 4px 4px 4px rgb(46, 107,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 20.178, 218.699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 107, 119) }
```

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

```
.background{ background-color: rgb(46, 107,  
119) }
```

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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