

Converting Colors

CIELCh(42, 20.230, 188.375)

Have a look what the booklet for
CIELCh(42, 20.230, 188.375)
contains.

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Color

CIELCh(42, 20.230, 188.375)

Conversions

Conversions Part 1

Format	Color
Hex	336C67
RGB	51, 108, 103
RGB Percent	20%, 42%, 40%
CMY	0.7985, 0.5751, 0.5947
CMYK	0.53, 0.00, 0.05, 0.58
HSL	175°, 36%, 31%
HSV	175°, 53%, 42%
XYZ	9.2498, 12.5000, 14.8493
YIQ	90.3870, -32.3670, -13.6390

Conversions

Conversions Part 2

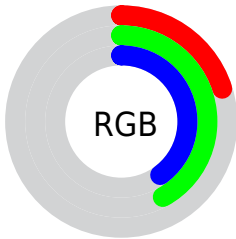
Format	Color
RYB	51, 81, 108
Decimal	3370087
CIELab	42.00, -20.01, -2.95
CIELCh	42, 20.230, 188.375
Yxy	12.5000, 0.2527, 0.3415
Android (android.graphics.Color)	4281560167 (0xFF336C67)
YUV	90.3870, 6.2182, -34.5424
Hunter-Lab	35.3553, -15.1721, -0.1531




Details

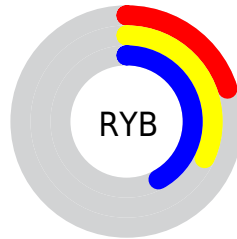
The CIELCh color **42, 20.230, 188.375** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **29, 27.274, 18.636**, and the grayscale version is **39, 0.005, 296.813**.




A 20% lighter version of the original color is **62, 20.222, 187.969**, and **22, 18.757, 187.864** is the 20% darker color. If you saturate the color by 10%, you get **42, 22.927, 187.608**, and if you desaturate by 10%, it is **43, 17.079, 189.116**.

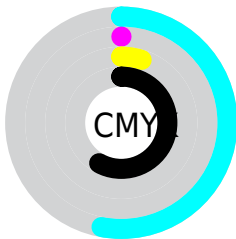
Distribution







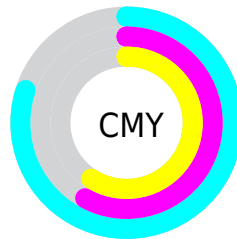
-  Red (20%)
-  Green (42%)
-  Blue (40%)






-  Red (20%)
-  Yellow (32%)
-  Blue (42%)



-  Cyan (53%)
-  Magenta (0%)
-  Yellow (5%)
-  Black (58%)





-  Cyan (80%)
-  Magenta (58%)
-  Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 20.230, 188.375 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, 20.230, 188.375 by changing the saturation by 10% instead.


 42, 20.230,
188.375


 42, 20.230,
188.375


 100, 20.230,
188.375


 32, 20.230,
188.375

 62, 20.230,
188.375


 22, 20.230,
188.375

 72, 20.230,
188.375

 12, 20.230,
188.375

 82, 20.230,
188.375

 2, 20.230, 188.375

 92, 20.230,
188.375

 0, 20.230, 188.375

 42, 20.230,

 42, 20.230,

188.375

188.375

■ 42, 22.927,
187.608

■ 43, 17.079,
189.116

■ 41, 25.130,
186.808

■ 43, 13.531,
189.847

■ 41, 26.819,
185.962

■ 44, 9.650, 190.573

■ 41, 28.015,
185.055

■ 45, 5.502, 191.310

■ 46, 1.152, 192.252

■ 41, 28.793,
184.391

■ 47, 3.344, 12.553

■ 48, 7.936, 13.309

■ 49, 12.582, 14.017

■ 50, 17.248, 14.708

Harmonies

Complementary

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



42, 20.230, 188.375



29, 27.274, 18.636

Rectangle

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



42, 20.230, 188.375



42, 20.230, 238.375



42, 20.230, 8.375



42, 20.230, 58.375

Sweetspot

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



42, 20.230, 188.373



57, 8.571, 191.024



41, 39.791, 138.307



29, 5.812, 190.913



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 20.230, 188.373



53, 28.200, 187.444



35, 17.740, 252.419



22, 2.449, 191.592



44, 30.489, 184.294



87, 52.748, 183.640

Inverse Universe

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



29, 27.274, 18.636



35, 41.056, 21.553



35, 22.592, 59.075



21, 2.561, 12.739



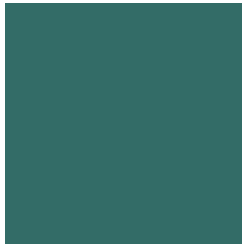
23, 54.712, 34.021



51, 97.692, 37.169

Previews

White Background



This preview shows how the CIELCh color 42, 20.230, 188.375 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, 20.230, 188.375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

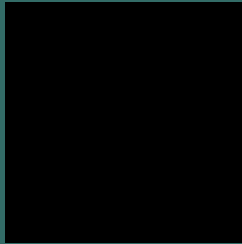
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 20.230, 188.375

Background



This preview shows how black text looks on a background with the CIELCh color 42, 20.230, 188.375.



This preview shows how white text looks on a background with the CIELCh color 42, 20.230, 188.375.

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, 20.230, 188.375

Protanopia

42, 1.389, 45.024

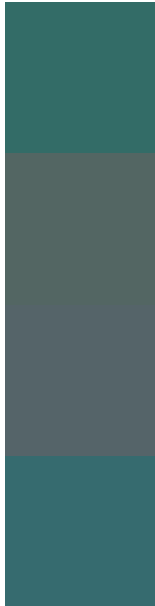
Deuteranopia

42, 7.117, 322.124



Tritanopia
42, 17.907, 213.327

Trichromacy



Original Color
42, 20.230, 188.375

Protanomaly
42, 7.852, 185.049

Deuteranomaly
41, 6.536, 226.540

Tritanomaly
42, 18.121, 205.123

Monochromacy



Original Color
42, 20.230, 188.375

Achromatopsia
39, 0.005, 296.813

Achromatomaly
40, 8.117, 189.702

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 20.230, 188.375 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(51, 108, 103)` looks like.

```
.text, #text, p{  
    color:rgb(51, 108, 103)  
}
```

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(51, 108, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 108, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 20.230, 188.375 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(51, 108, 103) }
```

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

```
.border{ border-color:rgb(51, 108, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 108, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 108, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 108, 103);  
box-shadow:4px 4px 4px 4px rgb(51, 108,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 20.230, 188.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 108, 103) }
```

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

```
.background{ background-color: rgb(51, 108,  
103) }
```

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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