

Converting Colors

CIELCh(42, 19.449, 160.420)

Have a look what the booklet for
CIELCh(42, 19.449, 160.420)
contains.

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Color

CIELCh(42, 19.180, 160.475)

Conversions

Conversions Part 1

Format	Color
Hex	456B58
RGB	69, 107, 88
RGB Percent	27%, 42%, 35%
CMY	0.7292, 0.5802, 0.6547
CMYK	0.35, 0.00, 0.18, 0.58
HSL	150°, 22%, 35%
HSV	150°, 35%, 42%
XYZ	9.4855, 12.5000, 11.1572
YIQ	93.4720, -16.5490, -13.9650

Conversions

Conversions Part 2

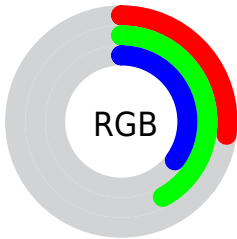
Format	Color
RYB	69, 94, 107
Decimal	4549464
CIELab	42.00, -18.08, 6.41
CIELCh	42, 19.180, 160.475
Yxy	12.5000, 0.2862, 0.3772
Android (android.graphics.Color)	4282739544 (0xFF456B58)
YUV	93.4720, -2.6977, -21.4619
Hunter-Lab	35.3553, -13.9821, 6.0384

Details

The CIELCh color $42, 19.180, 160.475$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $34, 19.979, 346.833$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 19.295, 160.153$, and $22, 18.841, 161.469$ is the 20% darker color. If you saturate the color by 10%, you get $41, 24.293, 159.330$, and if you desaturate by 10%, it is $43, 13.877, 161.498$.

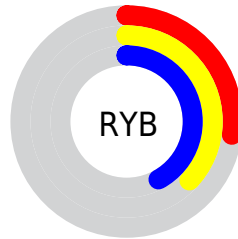
Distribution



Red (27%)

Green (42%)

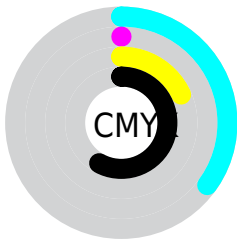
Blue (35%)



Red (27%)

Yellow (37%)

Blue (42%)

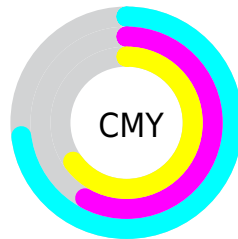


Cyan (35%)

Magenta (0%)

Yellow (18%)

Black (58%)



Cyan (73%)

Magenta (58%)

Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 19.180, 160.475 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, 19.180, 160.475 by changing the saturation by 10% instead.


 42, 19.180,
160.475


 42, 19.180,
160.475


 100, 19.180,
160.475


 32, 19.180,
160.475

 62, 19.180,
160.475


 22, 19.180,
160.475

 72, 19.180,
160.475

 12, 19.180,
160.475


 82, 19.180,
160.475

 2, 19.180, 160.475

 92, 19.180,
160.475

 0, 19.180, 160.475

 42, 19.180,

 42, 19.180,

160.475

■ 41, 24.293,
159.330

■ 41, 29.132,
158.044

■ 40, 33.616,
156.595

■ 40, 37.677,
154.967

■ 40, 41.270,
153.149

■ 39, 44.438,
151.204

■ 39, 45.834,
150.399

160.475

■ 43, 13.877,
161.498

■ 44, 8.460, 162.426

■ 45, 2.998, 163.309

■ 46, 2.454, 343.873

■ 47, 7.851, 344.638

■ 48, 13.159,
345.291

■ 49, 18.355,
345.891

■ 51, 23.424,
346.451

■ 52, 28.356,
346.975

Harmonies

Complementary

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



42, 19.180, 160.475



34, 19.979, 346.833

Rectangle

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



42, 19.180, 160.475



42, 19.180, 210.475



42, 19.180, 340.475



42, 19.180, 30.475

Sweetspot

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



42, 19.181, 160.474



57, 7.495, 162.793



43, 23.886, 126.906



29, 5.075, 162.708



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, 19.181, 160.474



54, 28.707, 159.484



43, 14.103, 196.200



22, 3.068, 162.998



43, 49.163, 150.143



85, 87.124, 148.704

Inverse Universe

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



34, 19.979, 346.833



42, 30.141, 347.848



34, 17.652, 21.098



21, 3.104, 344.299



24, 47.927, 0.154



53, 82.064, 2.833

Previews

White Background



This preview shows how the CIELCh color 42, 19.180, 160.475 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, 19.180, 160.475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

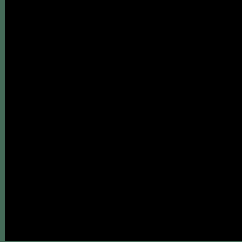
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 19.180, 160.475

Background



This preview shows how black text looks on a background with the CIELCh color 42, 19.180, 160.475.



This preview shows how white text looks on a background with the CIELCh color 42, 19.180, 160.475.

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, 19.180, 160.475

Protanopia

42, 8.833, 91.451

Deuteranopia

42, 7.384, 39.171



Tritanopia
42, 11.867, 222.449

Trichromacy



Original Color
42, 19.180, 160.475

Protanomaly
42, 10.573, 132.680

Deuteranomaly
41, 5.584, 122.598

Tritanomaly
42, 12.638, 192.377

Monochromacy



Original Color
42, 19.180, 160.475

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 7.238, 162.560

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 19.180, 160.475 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(69, 107, 88)` looks like.

```
.text, #text, p{  
    color:rgb(69, 107, 88)  
}
```

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(69, 107, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 107, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 19.180, 160.475 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(69, 107, 88) }
```

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

```
.border{ border-color:rgb(69, 107, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 107, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 107, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 107, 88);  
box-shadow:4px 4px 4px 4px rgb(69, 107,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 19.180, 160.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 107, 88) }
```

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

```
.background{ background-color: rgb(69, 107,  
88) }
```

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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