

Converting Colors

CIELCh(42, 20.340, 310.228)

Have a look what the booklet for
CIELCh(42, 20.340, 310.228)
contains.

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Color

CIELCh(42, 20.386, 310.237)

Conversions

Conversions Part 1

Format	Color
Hex	6D5D7D
RGB	109, 93, 125
RGB Percent	43%, 36%, 49%
CMY	0.5735, 0.6362, 0.5107
CMYK	0.13, 0.26, 0.00, 0.51
HSL	270°, 15%, 43%
HSV	270°, 26%, 49%
XYZ	13.8589, 12.5000, 21.0048
YIQ	101.4320, -0.7360, 13.3440

Conversions

Conversions Part 2

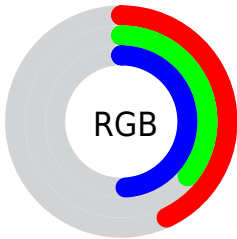
Format	Color
R_{YB}	109, 93, 125
Decimal	7167357
CIE Lab	42.00, 13.17, -15.56
CIE LCh	42, 20.386, 310.237
Yxy	12.5000, 0.2926, 0.2639
Android (android.graphics.Color)	4285357437 (0xFF6D5D7D)
YUV	101.4320, 11.6190, 6.6371
Hunter-Lab	35.3553, 8.0983, -10.4757

Details

The CIELCh color $42, 20.386, 310.237$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $50, 19.706, 127.936$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 20.818, 310.456$, and $22, 20.333, 310.200$ is the 20% darker color. If you saturate the color by 10%, you get $38, 28.652, 310.751$, and if you desaturate by 10%, it is $46, 12.275, 309.747$.

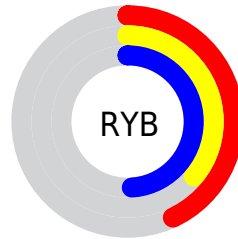
Distribution



Red (43%)

Green (36%)

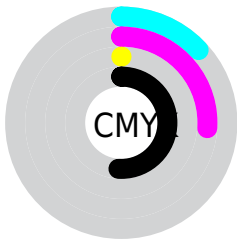
Blue (49%)



Red (43%)

Yellow (36%)

Blue (49%)

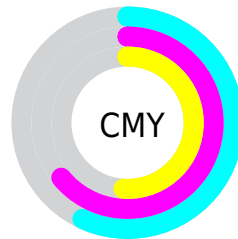


Cyan (13%)

Magenta (26%)

Yellow (0%)

Black (51%)



Cyan (57%)


Magenta (64%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 20.386, 310.237 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, 20.386, 310.237 by changing the saturation by 10% instead.


 42, 20.386,
310.237


 42, 20.386,
310.237


 100, 20.386,
310.237


 32, 20.386,
310.237

 62, 20.386,
310.237


 22, 20.386,
310.237

 72, 20.386,
310.237

 12, 20.386,
310.237

 82, 20.386,
310.237

 2, 20.386, 310.237

 92, 20.386,
310.237

 0, 20.386, 310.237

 42, 20.386,

 42, 20.386,

310.237

■ 38, 28.652,
310.751

■ 34, 36.994,
311.273

■ 30, 45.264,
311.774

■ 27, 53.221,
312.204

■ 24, 60.500,
312.496

■ 21, 66.616,
312.555

■ 19, 71.226,
312.330

■ 18, 73.228,
312.275

310.237

■ 46, 12.275,
309.747

■ 50, 4.368, 309.284

■ 54, 3.318, 128.918

■ 58, 10.776,
128.531

■ 62, 18.009,
128.200

■ 66, 25.025,
127.908

■ 70, 31.831,
127.652

■ 74, 38.438,
127.428

■ 78, 44.858,
127.234

Harmonies

Complementary

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



42, 20.386, 310.237



50, 19.706, 127.936

Rectangle

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



42, 20.386, 310.237



42, 20.386, 0.237



42, 20.386, 130.237



42, 20.386, 180.237

Sweetspot

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



42, 20.385, 310.237



63, 7.745, 309.401



45, 10.882, 257.226



32, 5.486, 309.461



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



42, 20.385, 310.237



52, 30.921, 310.549



44, 22.792, 325.304



24, 4.314, 309.441



18, 73.308, 312.274



40, 124.096, 311.679

Inverse Universe

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



43, 16.309, 345.854



53, 24.633, 346.486



49, 22.767, 142.401



24, 3.473, 344.319



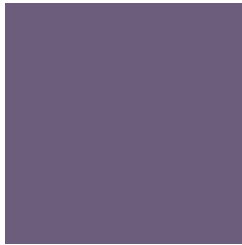
26, 50.114, 0.449



54, 83.989, 2.911

Previews

White Background



This preview shows how the CIELCh color 42, 20.386, 310.237 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, 20.386, 310.237 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, 20.386, 310.237

Background



This preview shows how black text looks on a background with the CIELCh color 42, 20.386, 310.237.



This preview shows how white text looks on a background with the CIELCh color 42, 20.386, 310.237.

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

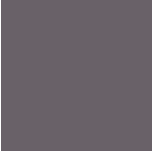
42, 20.386, 310.237

Protanopia

42, 18.827, 285.241

Deuteranopia

42, 16.335, 291.252



Tritanopia
42, 5.390, 328.429

Trichromacy



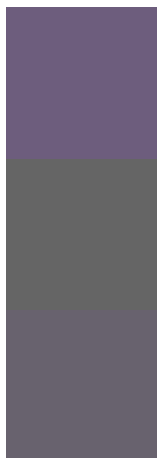
Original Color
42, 20.386, 310.237

Protanomaly
42, 18.786, 294.015

Deuteranomaly
42, 17.765, 299.994

Tritanomaly
42, 11.246, 314.629

Monochromacy



Original Color
42, 20.386, 310.237

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 7.672, 309.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 20.386, 310.237 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(109, 93, 125)` looks like.

```
.text, #text, p{  
    color:rgb(109, 93, 125)  
}
```

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(109, 93, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 93, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 20.386, 310.237 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(109, 93, 125) }
```

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

```
.border{ border-color:rgb(109, 93, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 93, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 93, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 93, 125);  
box-shadow:4px 4px 4px 4px rgb(109, 93,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 20.386, 310.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 93, 125) }
```

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

```
.background{ background-color: rgb(109, 93,  
125) }
```

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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