

Converting Colors

CIELCh(42, 20.127, 294.237)

Have a look what the booklet for
CIELCh(42, 20.127, 294.237)
contains.

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Color

CIELCh(42, 19.990, 294.102)

Conversions

Conversions Part 1

Format	Color
Hex	616081
RGB	97, 96, 129
RGB Percent	38%, 38%, 51%
CMY	0.6195, 0.6234, 0.4940
CMYK	0.25, 0.26, 0.00, 0.49
HSL	242°, 15%, 44%
HSV	242°, 26%, 51%
XYZ	13.0831, 12.5000, 22.5032
YIQ	100.0610, -9.9970, 10.4750

Conversions

Conversions Part 2

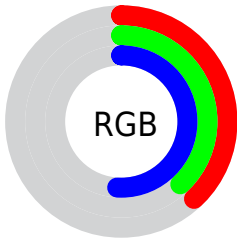
Format	Color
R_{YB}	97, 96, 129
Decimal	6381697
CIE _{Lab}	42.00, 8.16, -18.25
CIE _{LCh}	42, 19.990, 294.102
Yxy	12.5000, 0.2721, 0.2599
Android (android.graphics.Color)	4284571777 (0xFF616081)
YUV	100.0610, 14.2669, -2.6845
Hunter-Lab	35.3553, 4.1814, -12.9885

Details

The CIELCh color $[42, 19.990, 294.102]$ is a dark color, and the websafe version is hex `#666699`. A complement of this color would be $[53, 18.862, 109.111]$, and the grayscale version is $[42, 0.006, 296.813]$.

A 20% lighter version of the original color is $[62, 20.275, 294.351]$, and $[22, 20.156, 294.516]$ is the 20% darker color. If you saturate the color by 10%, you get $[37, 28.376, 295.494]$, and if you desaturate by 10%, it is $[47, 11.934, 292.905]$.

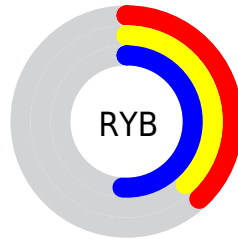
Distribution



Red (38%)

Green (38%)

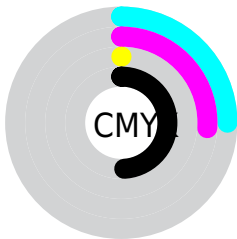
Blue (51%)



Red (38%)

Yellow (38%)

Blue (51%)

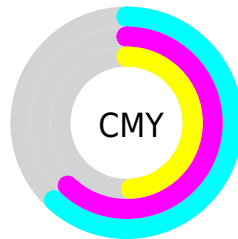


Cyan (25%)

Magenta (26%)

Yellow (0%)

Black (49%)



Cyan (62%)


Magenta (62%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 19.990, 294.102 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, 19.990, 294.102 by changing the saturation by 10% instead.


 42, 19.990,
294.102


 42, 19.990,
294.102


 100, 19.990,
294.102


 32, 19.990,
294.102

 62, 19.990,
294.102


 22, 19.990,
294.102

 72, 19.990,
294.102


 12, 19.990,
294.102


 82, 19.990,
294.102

 2, 19.990, 294.102

 92, 19.990,
294.102

 0, 19.990, 294.102

 42, 19.990,

 42, 19.990,

294.102

■ 37, 28.376,
295.494

■ 33, 37.100,
297.097

■ 28, 46.119,
298.901

■ 24, 55.282,
300.849

■ 20, 64.199,
302.808

■ 17, 72.090,
304.542

■ 14, 78.012,
305.832

■ 13, 80.557,
306.425

294.102

■ 47, 11.934,
292.905

■ 51, 4.194, 291.886

■ 56, 3.254, 110.989

■ 61, 10.430,
110.246

■ 65, 17.354,
109.604

■ 70, 24.043,
109.049

■ 74, 30.513,
108.570

■ 79, 36.777,
108.154

■ 83, 42.848,
107.791

Harmonies

Complementary

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



42, 19.990, 294.102



53, 18.862, 109.111

Rectangle

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



42, 19.990, 294.102



42, 19.990, 344.102



42, 19.990, 114.102



42, 19.990, 164.102

Sweetspot

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



42, 19.989, 294.101



64, 7.511, 292.135



51, 11.995, 199.735



33, 5.326, 292.265



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



42, 19.989, 294.101



51, 30.484, 294.934



43, 20.965, 310.798



24, 4.224, 292.224



13, 79.863, 306.426



0, 0.000, 0.000

Inverse Universe

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



45, 23.008, 326.615



56, 34.593, 326.939



52, 20.293, 128.528



25, 4.998, 325.720



29, 67.558, 329.434



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 42, 19.990, 294.102 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, 19.990, 294.102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

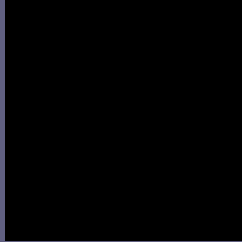
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 19.990, 294.102

Background



This preview shows how black text looks on a background with the CIELCh color 42, 19.990, 294.102.



This preview shows how white text looks on a background with the CIELCh color 42, 19.990, 294.102.

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, 19.990, 294.102

Protanopia

42, 19.459, 284.578

Deuteranopia

42, 19.373, 288.724



Tritanopia
42, 5.512, 260.771

Trichromacy



Original Color
42, 19.990, 294.102

Protanomaly
42, 19.973, 288.953

Deuteranomaly
42, 19.358, 289.773

Tritanomaly
42, 10.402, 281.081

Monochromacy



Original Color
42, 19.990, 294.102

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 7.248, 291.243

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 19.990, 294.102 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(97, 96, 129)` looks like.

```
.text, #text, p{  
    color:rgb(97, 96, 129)  
}
```

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(97, 96, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 96, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 19.990, 294.102 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(97, 96, 129) }
```

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

```
.border{ border-color:rgb(97, 96, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 96, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 96, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 96, 129);  
box-shadow:4px 4px 4px 4px rgb(97, 96,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 19.990, 294.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 96, 129) }
```

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

```
.background{ background-color: rgb(97, 96,  
129) }
```

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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