

Converting Colors

CIELCh(42, 23.363, 284.591)

Have a look what the booklet for
CIELCh(42, 23.363, 284.591)
contains.

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Color

CIELCh(42, 23.129, 284.112)

Conversions

Conversions Part 1

Format	Color
Hex	576288
RGB	87, 98, 136
RGB Percent	34%, 38%, 53%
CMY	0.6594, 0.6163, 0.4673
CMYK	0.36, 0.28, 0.00, 0.47
HSL	227°, 22%, 44%
HSV	227°, 36%, 53%
XYZ	12.7031, 12.5000, 24.9772
YIQ	99.0430, -18.7540, 9.4860

Conversions

Conversions Part 2

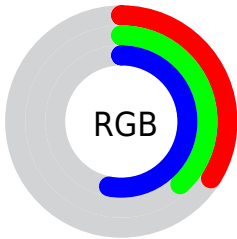
Format	Color
R_{YB}	87, 96, 136
Decimal	5726856
CIE _{Lab}	42.00, 5.64, -22.43
CIE _{LCh}	42, 23.129, 284.112
Yxy	12.5000, 0.2531, 0.2491
Android (android.graphics.Color)	4283916936 (0xFF576288)
YUV	99.0430, 18.2198, -10.5617
Hunter-Lab	35.3553, 2.2630, -17.1374

Details

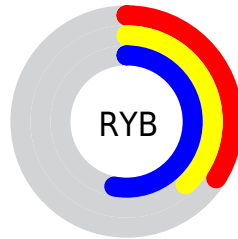
The CIELCh color `42, 23.129, 284.112` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `52, 22.341, 94.699`, and the grayscale version is `42, 0.006, 296.813`.

A 20% lighter version of the original color is `62, 22.636, 283.176`, and `22, 23.024, 283.540` is the 20% darker color. If you saturate the color by 10%, you get `38, 29.976, 286.130`, and if you desaturate by 10%, it is `46, 16.485, 282.373`.

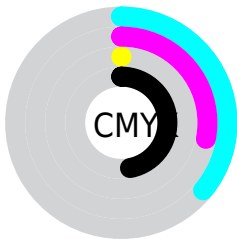
Distribution



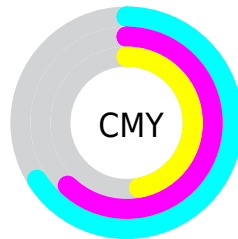
- Red (34%)
- Green (38%)
- Blue (53%)



- Red (34%)
- Yellow (38%)
- Blue (53%)



- Cyan (36%)
- Magenta (28%)
- Yellow (0%)
- Black (47%)





- Cyan (66%)
- Magenta (62%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 23.129, 284.112 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, 23.129, 284.112 by changing the saturation by 10% instead.


 42, 23.129,
284.112


 42, 23.129,
284.112


 100, 23.129,
284.112


 32, 23.129,
284.112

 62, 23.129,
284.112


 22, 23.129,
284.112

 72, 23.129,
284.112

 12, 23.129,
284.112

 82, 23.129,
284.112

 2, 23.129, 284.112

 92, 23.129,
284.112

 0, 23.129, 284.112

 42, 23.129,

 42, 23.129,

284.112

■ 38, 29.976,
286.130

■ 34, 37.048,
288.450

■ 30, 44.356,
291.072

■ 26, 51.870,
293.947

■ 23, 59.467,
296.957

■ 20, 66.849,
299.869

■ 19, 69.620,
300.855

284.112

■ 46, 16.485,
282.373

■ 50, 10.027,
280.880

■ 54, 3.741, 279.613

■ 58, 2.385, 98.411

■ 62, 8.359, 97.484

■ 66, 14.187, 96.647

■ 70, 19.876, 95.910

■ 74, 25.430, 95.258

■ 78, 30.854, 94.679

Harmonies

Complementary

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



42, 23.129, 284.112



52, 22.341, 94.699

Rectangle

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



42, 23.129, 284.112



42, 23.129, 334.112



42, 23.129, 104.112



42, 23.129, 154.112

Sweetspot

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



42, 23.128, 284.112



66, 8.430, 280.240



53, 19.299, 177.345



34, 5.717, 280.389



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



42, 23.128, 284.112



50, 34.455, 285.676



40, 30.344, 303.156



27, 3.531, 279.980



18, 68.263, 300.786



0, 1.622, 278.887

Inverse Universe

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



43, 21.979, 5.491



51, 32.715, 6.806



54, 28.163, 118.413



27, 3.287, 2.158



27, 55.574, 25.844



0, 1.494, 1.390

Previews

White Background



This preview shows how the CIELCh color 42, 23.129, 284.112 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, 23.129, 284.112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

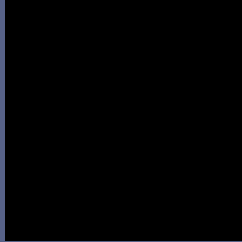
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

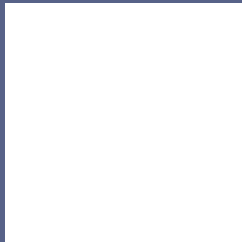
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 23.129, 284.112

Background



This preview shows how black text looks on a background with the CIELCh color 42, 23.129, 284.112.



This preview shows how white text looks on a background with the CIELCh color 42, 23.129, 284.112.

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, 23.129, 284.112

Protanopia

42, 23.088, 284.922

Deuteranopia

42, 23.129, 284.112



Tritanopia
42, 9.466, 229.434

Trichromacy



Original Color
42, 23.129, 284.112

Protanomaly
42, 23.088, 284.922

Deuteranomaly
42, 23.129, 284.112

Tritanomaly
42, 13.006, 261.499

Monochromacy



Original Color
42, 23.129, 284.112

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 7.976, 280.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 23.129, 284.112 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(87, 98, 136)` looks like.

```
.text, #text, p{  
    color:rgb(87, 98, 136)  
}
```

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(87, 98, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 98, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 23.129, 284.112 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(87, 98, 136) }
```

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

```
.border{ border-color:rgb(87, 98, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 98, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 98, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 98, 136);  
box-shadow:4px 4px 4px 4px rgb(87, 98,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 23.129, 284.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 98, 136) }
```

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

```
.background{ background-color: rgb(87, 98,  
136) }
```

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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