

Converting Colors

CIELCh(42, 14.187, 256.191)

Have a look what the booklet for
CIELCh(42, 14.187, 256.191)
contains.

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Color

CIELCh(42, 13.851, 255.245)

Conversions

Conversions Part 1

Format	Color
Hex	4F6679
RGB	79, 102, 121
RGB Percent	31%, 40%, 47%
CMY	0.6909, 0.6007, 0.5262
CMYK	0.35, 0.16, 0.00, 0.53
HSL	207°, 21%, 39%
HSV	207°, 35%, 47%
XYZ	11.3850, 12.5000, 19.8446
YIQ	97.2890, -19.8070, 1.0330

Conversions

Conversions Part 2

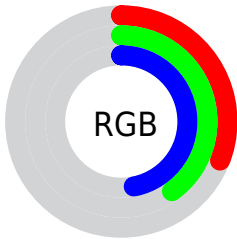
Format	Color
RYB	79, 94, 121
Decimal	5203577
CIELab	42.00, -3.53, -13.39
CIElCh	42, 13.851, 255.245
Yxy	12.5000, 0.2603, 0.2858
Android (android.graphics.Color)	4283393657 (0xFF4F6679)
YUV	97.2890, 11.6895, -16.0395
Hunter-Lab	35.3553, -4.3919, -8.5302

Details

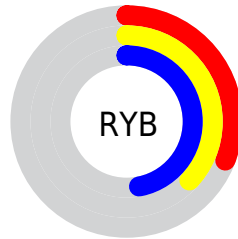
The CIELCh color **42, 13.851, 255.245** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **43, 15.638, 66.257**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 13.755, 253.959**, and **22, 13.690, 255.723** is the 20% darker color. If you saturate the color by 10%, you get **40, 17.598, 257.398**, and if you desaturate by 10%, it is **44, 9.981, 253.440**.

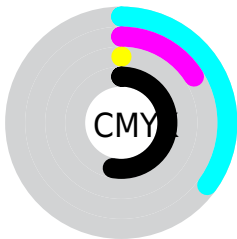
Distribution



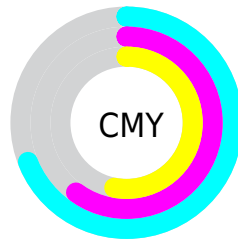
- Red (31%)
- Green (40%)
- Blue (47%)



- Red (31%)
- Yellow (37%)
- Blue (47%)



- Cyan (35%)
- Magenta (16%)
- Yellow (0%)
- Black (53%)





- Cyan (69%)
- Magenta (60%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 13.851, 255.245 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, 13.851, 255.245 by changing the saturation by 10% instead.


 42, 13.851,
255.245


 42, 13.851,
255.245


 100, 13.851,
255.245


 32, 13.851,
255.245

 62, 13.851,
255.245


 22, 13.851,
255.245

 72, 13.851,
255.245

 12, 13.851,
255.245


 82, 13.851,
255.245

 2, 13.851, 255.245

 92, 13.851,
255.245

 0, 13.851, 255.245

 42, 13.851,

 42, 13.851,

255.245

■ 40, 17.598,
257.398

■ 37, 21.213,
259.965

■ 35, 24.695,
262.996

■ 33, 28.066,
266.523

■ 31, 31.369,
270.533

■ 29, 34.683,
274.895

■ 28, 36.490,
277.035

255.245

■ 44, 9.981, 253.440

■ 47, 6.009, 251.940

■ 50, 1.955, 250.758

■ 52, 2.160, 69.403

■ 55, 6.317, 68.568

■ 57, 10.499, 67.797

■ 60, 14.694, 67.123

■ 62, 18.888, 66.535

■ 65, 23.072, 66.018

Harmonies

Complementary

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



42, 13.851, 255.245



43, 15.638, 66.257

Rectangle

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



42, 13.851, 255.245



42, 13.851, 305.245



42, 13.851, 75.245



42, 13.851, 125.245

Sweetspot

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



42, 13.850, 255.242



62, 5.096, 251.357



47, 21.592, 158.004



31, 3.454, 251.497



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



42, 13.850, 255.242



52, 20.630, 257.004



36, 24.807, 292.443



24, 2.330, 251.216



29, 37.496, 277.218



57, 66.230, 279.968

Inverse Universe

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



39, 22.236, 344.139



48, 33.380, 345.035



49, 23.040, 104.743



24, 3.587, 341.810



26, 50.763, 356.204



55, 84.827, 358.347

Previews

White Background



This preview shows how the CIE LCh color 42, 13.851, 255.245 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, 13.851, 255.245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

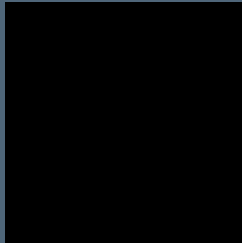
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

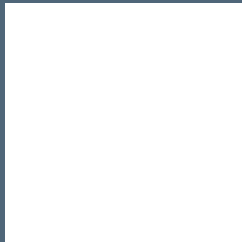
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 13.851, 255.245

Background



This preview shows how black text looks on a background with the CIELCh color 42, 13.851, 255.245.

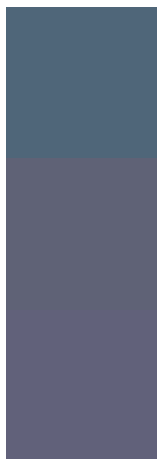


This preview shows how white text looks on a background with the CIELCh color 42, 13.851, 255.245.

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, 13.851, 255.245

Protanopia

42, 12.124, 286.553

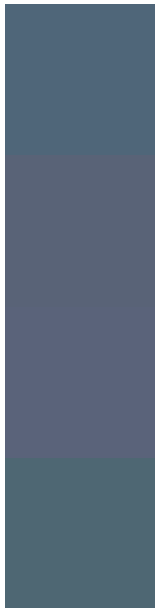
Deuteranopia

42, 15.131, 292.381



Tritanopia
42, 10.899, 228.566

Trichromacy



Original Color
42, 13.851, 255.245

Protanomaly
42, 12.545, 274.666

Deuteranomaly
42, 14.191, 278.677

Tritanomaly
42, 11.478, 237.980

Monochromacy



Original Color
42, 13.851, 255.245

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 5.466, 250.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 13.851, 255.245 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(79, 102, 121)` looks like.

```
.text, #text, p{  
    color:rgb(79, 102, 121)  
}
```

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(79, 102, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 102, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 13.851, 255.245 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(79, 102, 121) }
```

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

```
.border{ border-color:rgb(79, 102, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 102, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 102, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 102, 121);  
box-shadow:4px 4px 4px 4px rgb(79, 102,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 13.851, 255.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 102, 121) }
```

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

```
.background{ background-color: rgb(79, 102,  
121) }
```

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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