

Converting Colors

CIELCh(42, 13.474, 255.335)

Have a look what the booklet for
CIELCh(42, 13.474, 255.335)
contains.

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Color

CIELCh(42, 13.207, 254.683)

Conversions

Conversions Part 1

Format	Color
Hex	506678
RGB	80, 102, 120
RGB Percent	31%, 40%, 47%
CMY	0.6872, 0.6009, 0.5304
CMYK	0.33, 0.15, 0.00, 0.53
HSL	207°, 20%, 39%
HSV	207°, 33%, 47%
XYZ	11.3904, 12.5000, 19.5020
YIQ	97.4740, -18.8900, 0.9340

Conversions

Conversions Part 2

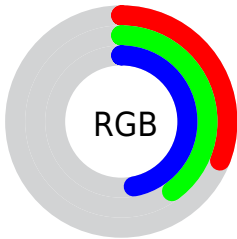
Format	Color
R_{YB}	80, 94, 120
Decimal	5269112
CIE _{Lab}	42.00, -3.49, -12.74
CIE _{LCh}	42, 13.207, 254.683
Yxy	12.5000, 0.2625, 0.2881
Android (android.graphics.Color)	4283459192 (0xFF506678)
YUV	97.4740, 11.1053, -15.3247
Hunter-Lab	35.3553, -4.3647, -7.9557

Details

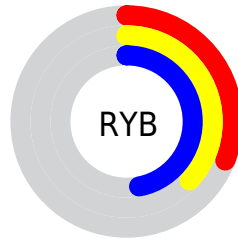
The CIELCh color **42, 13.207, 254.683** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **43, 14.850, 66.148**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 13.137, 253.523**, and **22, 13.530, 256.788** is the 20% darker color. If you saturate the color by 10%, you get **40, 16.932, 256.777**, and if you desaturate by 10%, it is **44, 9.360, 252.928**.

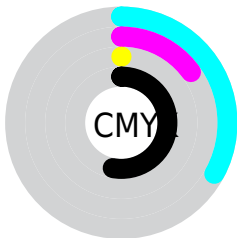
Distribution



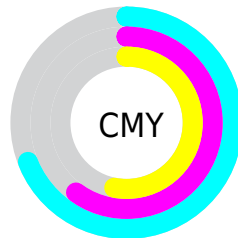
- Red (31%)
- Green (40%)
- Blue (47%)



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



- Cyan (33%)
- Magenta (15%)
- Yellow (0%)
- Black (53%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 13.207, 254.683 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, 13.207, 254.683 by changing the saturation by 10% instead.


 42, 13.207,
254.683


 42, 13.207,
254.683


 100, 13.207,
254.683


 32, 13.207,
254.683

 62, 13.207,
254.683


 22, 13.207,
254.683

 72, 13.207,
254.683

 12, 13.207,
254.683

 82, 13.207,
254.683

 2, 13.207, 254.683

 92, 13.207,
254.683

 0, 13.207, 254.683

 42, 13.207,

 42, 13.207,

254.683

■ 40, 16.932,
256.777

■ 37, 20.524,
259.277

■ 35, 23.980,
262.236

■ 33, 27.317,
265.688

■ 31, 30.576,
269.631

■ 29, 33.826,
273.978

■ 27, 36.056,
276.700

254.683

■ 44, 9.360, 252.928

■ 47, 5.413, 251.473

■ 49, 1.386, 250.379

■ 52, 2.700, 69.021

■ 55, 6.827, 68.187

■ 57, 10.978, 67.434

■ 60, 15.140, 66.777

■ 62, 19.302, 66.203

■ 65, 23.453, 65.699

Harmonies

Complementary

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



42, 13.207, 254.683



43, 14.850, 66.148

Rectangle

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



42, 13.207, 254.683



42, 13.207, 304.683



42, 13.207, 74.683



42, 13.207, 124.683

Sweetspot

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



42, 13.206, 254.680



61, 5.021, 251.074



47, 20.892, 157.358



31, 3.449, 251.214



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, 13.206, 254.680



52, 19.400, 256.238



36, 23.162, 291.528



23, 2.245, 250.927



28, 36.700, 276.822



57, 65.360, 279.663

Inverse Universe

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



39, 21.242, 343.868



48, 31.459, 344.666



49, 21.653, 104.085



23, 3.467, 341.682



25, 50.073, 355.913



54, 84.241, 358.098

Previews

White Background



This preview shows how the CIE LCh color 42, 13.207, 254.683 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, 13.207, 254.683 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

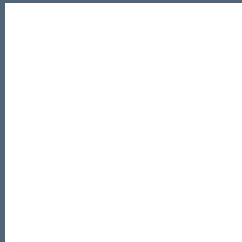
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 13.207, 254.683

Background



This preview shows how black text looks on a background with the CIELCh color 42, 13.207, 254.683.



This preview shows how white text looks on a background with the CIELCh color 42, 13.207, 254.683.

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, 13.207, 254.683

Protanopia

42, 11.524, 286.161

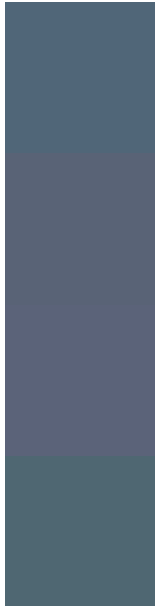
Deuteranopia

42, 14.528, 292.297



Tritanopia
42, 10.371, 226.405

Trichromacy



Original Color
42, 13.207, 254.683

Protanomaly
42, 11.976, 273.647

Deuteranomaly
42, 13.537, 279.434

Tritanomaly
42, 10.894, 236.388

Monochromacy



Original Color
42, 13.207, 254.683

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 4.774, 248.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 13.207, 254.683 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(80, 102, 120)` looks like.

```
.text, #text, p{  
    color:rgb(80, 102, 120)  
}
```

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(80, 102, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 102, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 13.207, 254.683 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(80, 102, 120) }
```

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

```
.border{ border-color:rgb(80, 102, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 102, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 102, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 102, 120);  
box-shadow:4px 4px 4px 4px rgb(80, 102,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 13.207, 254.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 102, 120) }
```

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

```
.background{ background-color: rgb(80, 102,  
120) }
```

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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