

Converting Colors

CIELCh(42, 14.827, 204.632)

Have a look what the booklet for
CIELCh(42, 14.827, 204.632)
contains.

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Color

CIELCh(42, 14.825, 204.807)

Conversions

Conversions Part 1

Format	Color
Hex	416A6D
RGB	65, 106, 109
RGB Percent	25%, 42%, 43%
CMY	0.7456, 0.5848, 0.5731
CMYK	0.40, 0.03, 0.00, 0.57
HSL	184°, 25%, 34%
HSV	184°, 40%, 43%
XYZ	10.0637, 12.5000, 16.3113
YIQ	94.0830, -25.3990, -7.7590

Conversions

Conversions Part 2

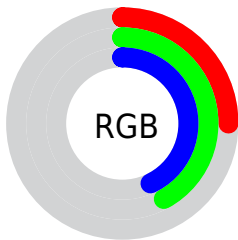
Format	Color
RYB	65, 86, 109
Decimal	4287085
CIELab	42.00, -13.46, -6.22
CIElCh	42, 14.825, 204.807
Yxy	12.5000, 0.2589, 0.3215
Android (android.graphics.Color)	4282477165 (0xFF416A6D)
YUV	94.0830, 7.3541, -25.5058
Hunter-Lab	35.3553, -11.0627, -2.6049

Details

The CIELCh color **42, 14.825, 204.807** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **33, 19.595, 27.979**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 14.809, 204.714**, and **22, 14.879, 204.789** is the 20% darker color. If you saturate the color by 10%, you get **41, 17.636, 204.864**, and if you desaturate by 10%, it is **43, 11.613, 204.859**.

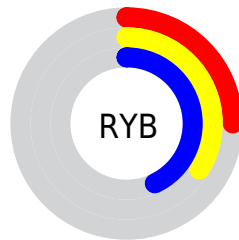
Distribution



Red (25%)

Green (42%)

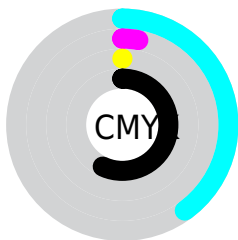
Blue (43%)



Red (25%)

Yellow (34%)

Blue (43%)

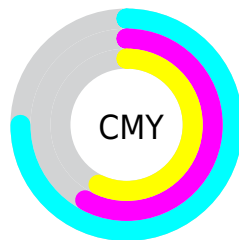


Cyan (40%)

Magenta (3%)

Yellow (0%)

Black (57%)



Cyan (75%)


Magenta (58%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 14.825, 204.807 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, 14.825, 204.807 by changing the saturation by 10% instead.


 42, 14.825,
204.807


 42, 14.825,
204.807


 100, 14.825,
204.807


 32, 14.825,
204.807

 62, 14.825,
204.807


 22, 14.825,
204.807

 72, 14.825,
204.807

 12, 14.825,
204.807


 82, 14.825,
204.807

 2, 14.825, 204.807

 92, 14.825,
204.807

 0, 14.825, 204.807

 42, 14.825,

 42, 14.825,

204.807

■ 41, 17.636,
204.864

■ 41, 19.994,
205.057

■ 40, 21.859,
205.404

■ 39, 23.211,
205.925

■ 39, 24.058,
206.639

■ 39, 24.632,
207.407

204.807

■ 43, 11.613,
204.859

■ 44, 8.061, 205.015

■ 45, 4.228, 205.275

■ 46, 0.172, 207.548

■ 47, 4.055, 25.715

■ 48, 8.407, 26.129

■ 50, 12.847, 26.539

■ 51, 17.342, 26.962

■ 52, 21.869, 27.394

Harmonies

Complementary

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



42, 14.825, 204.807



33, 19.595, 27.979

Rectangle

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



42, 14.825, 204.807



42, 14.825, 254.807



42, 14.825, 24.807



42, 14.825, 74.807

Sweetspot

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



42, 14.825, 204.804



57, 5.968, 205.215



42, 30.659, 143.366



29, 3.980, 205.189



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 14.825, 204.804



53, 20.793, 204.851



35, 16.665, 268.822



22, 2.259, 205.326



42, 25.961, 207.507



83, 44.491, 208.228

Inverse Universe

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



34, 30.589, 328.485



41, 44.174, 328.937



39, 17.766, 77.260



21, 4.207, 326.779



26, 61.854, 331.022



57, 106.115, 331.199

Previews

White Background



This preview shows how the CIELCh color 42, 14.825, 204.807 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 CIE LCh color 42, 14.825, 204.807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

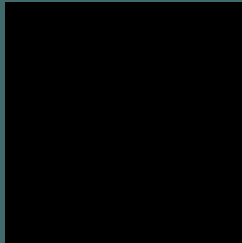
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

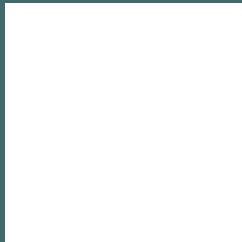
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 14.825, 204.807

Background



This preview shows how black text looks on a background with the CIELCh color 42, 14.825, 204.807.



This preview shows how white text looks on a background with the CIELCh color 42, 14.825, 204.807.

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, 14.825, 204.807

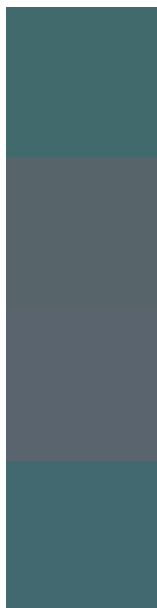
Protanopia
42, 3.662, 297.104

Deuteranopia
42, 9.546, 308.491



Tritanopia
42, 14.604, 219.996

Trichromacy



Original Color
42, 14.825, 204.807

Protanomaly
42, 6.198, 228.174

Deuteranomaly
42, 7.301, 255.309

Tritanomaly
42, 14.378, 215.148

Monochromacy



Original Color
42, 14.825, 204.807

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 6.010, 204.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 14.825, 204.807 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(65, 106, 109)` looks like.

```
.text, #text, p{  
    color:rgb(65, 106, 109)  
}
```

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(65, 106, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 106, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 14.825, 204.807 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(65, 106, 109) }
```

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

```
.border{ border-color:rgb(65, 106, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 106, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 106, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 106, 109);  
box-shadow:4px 4px 4px 4px rgb(65, 106,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 14.825, 204.807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 106, 109) }
```

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

```
.background{ background-color: rgb(65, 106,  
109) }
```

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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