

Converting Colors

CIELCh(42, 23.682, 155.143)

Have a look what the booklet for
CIELCh(42, 23.682, 155.143)
contains.

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Color

CIELCh(42, 23.474, 154.985)

Conversions

Conversions Part 1

Format	Color
Hex	416C52
RGB	65, 108, 82
RGB Percent	25%, 42%, 32%
CMY	0.7445, 0.5758, 0.6778
CMYK	0.40, 0.00, 0.24, 0.58
HSL	144°, 25%, 34%
HSV	144°, 40%, 42%
XYZ	9.0988, 12.5000, 9.9464
YIQ	92.1790, -17.2820, -17.2020

Conversions

Conversions Part 2

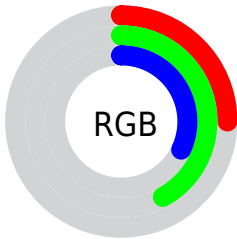
Format	Color
R_{YB}	65, 96, 108
Decimal	4287570
CIE _{Lab}	42.00, -21.27, 9.93
CIE _{LCh}	42, 23.474, 154.985
Yxy	12.5000, 0.2884, 0.3963
Android (android.graphics.Color)	4282477650 (0xFF416C52)
YUV	92.1790, -5.0182, -23.8360
Hunter-Lab	35.3553, -15.9341, 8.0688

Details

The CIELCh color **42, 23.474, 154.985** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **33, 24.041, 341.596**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 23.758, 154.344**, and **22, 23.455, 154.833** is the 20% darker color. If you saturate the color by 10%, you get **41, 29.050, 153.821**, and if you desaturate by 10%, it is **43, 17.684, 156.011**.

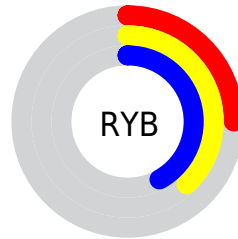
Distribution



Red (25%)

Green (42%)

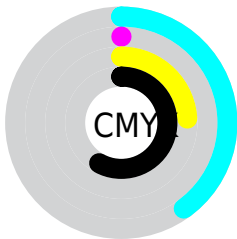
Blue (32%)



Red (25%)

Yellow (38%)

Blue (42%)

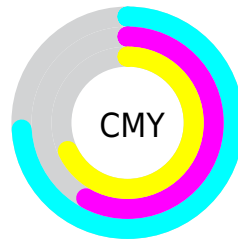


Cyan (40%)

Magenta (0%)

Yellow (24%)

Black (58%)



Cyan (74%)


Magenta (58%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 23.474, 154.985 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, 23.474, 154.985 by changing the saturation by 10% instead.


 42, 23.474,
154.985


 42, 23.474,
154.985


 100, 23.474,
154.985


 32, 23.474,
154.985

 62, 23.474,
154.985


 22, 23.474,
154.985

 72, 23.474,
154.985

 12, 23.474,
154.985

 82, 23.474,
154.985

 2, 23.474, 154.985

 92, 23.474,
154.985

 0, 23.474, 154.985

 42, 23.474,

 42, 23.474,

154.985

■ 41, 29.050,
153.821

■ 41, 34.315,
152.500

■ 40, 39.179,
151.007

■ 40, 43.565,
149.331

■ 40, 47.423,
147.480

■ 39, 50.920,
145.677

■ 39, 51.002,
145.638

154.985

■ 43, 17.684,
156.011

■ 44, 11.767,
156.923

■ 45, 5.802, 157.747

■ 46, 0.147, 336.816

■ 47, 6.027, 339.032

■ 48, 11.802,
339.637

■ 49, 17.446,
340.179

■ 51, 22.940,
340.673

■ 52, 28.276,

Harmonies

Complementary

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



42, 23.474, 154.985



33, 24.041, 341.596

Rectangle

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



42, 23.474, 154.985



42, 23.474, 204.985



42, 23.474, 334.985



42, 23.474, 24.985

Sweetspot

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



42, 23.475, 154.984



57, 8.835, 157.541



43, 26.280, 122.956



29, 5.907, 157.469



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, 23.475, 154.984



53, 34.702, 153.878



43, 16.317, 186.736



22, 3.312, 157.812



43, 54.287, 145.420



85, 96.273, 144.051

Inverse Universe

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



33, 24.041, 341.596



41, 35.588, 342.564



33, 19.989, 14.115



21, 3.337, 338.998



25, 49.706, 351.179



54, 84.650, 353.083

Previews

White Background



This preview shows how the CIELCh color 42, 23.474, 154.985 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, 23.474, 154.985 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, 23.474, 154.985

Background



This preview shows how black text looks on a background with the CIELCh color 42, 23.474, 154.985.



This preview shows how white text looks on a background with the CIELCh color 42, 23.474, 154.985.

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, 23.474, 154.985

Protanopia

42, 12.888, 96.176

Deuteranopia

42, 10.086, 56.610



Tritanopia
42, 12.634, 223.886

Trichromacy



Original Color
42, 23.474, 154.985

Protanomaly
42, 14.056, 128.151

Deuteranomaly
42, 9.781, 118.979

Tritanomaly
42, 13.932, 187.700

Monochromacy



Original Color
42, 23.474, 154.985

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 9.098, 156.325

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 23.474, 154.985 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, 108, 82)` looks like.

```
.text, #text, p{  
    color:rgb(65, 108, 82)  
}
```

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, 108, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 108, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 23.474, 154.985 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, 108, 82) }
```

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

```
.border{ border-color:rgb(65, 108, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 108, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 108, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 108, 82);  
box-shadow:4px 4px 4px 4px rgb(65, 108,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 23.474, 154.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 108, 82) }
```

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

```
.background{ background-color: rgb(65, 108,  
82) }
```

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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