

Converting Colors

CIELCh(42, 16.174, 163.659)

Have a look what the booklet for
CIELCh(42, 16.174, 163.659)
contains.

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Color

CIELCh(42, 16.161, 163.394)

Conversions

Conversions Part 1

Format	Color
Hex	496A5B
RGB	73, 106, 91
RGB Percent	29%, 42%, 36%
CMY	0.7134, 0.5840, 0.6428
CMYK	0.31, 0.00, 0.14, 0.58
HSL	153°, 18%, 35%
HSV	153°, 31%, 42%
XYZ	9.8068, 12.5000, 11.8103
YIQ	94.4230, -14.8530, -11.6610

Conversions

Conversions Part 2

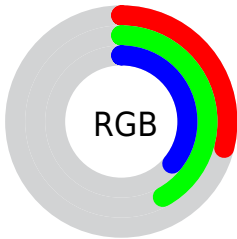
Format	Color
R_{YB}	73, 94, 106
Decimal	4811355
CIE _{Lab}	42.00, -15.49, 4.62
CIE _{LCh}	42, 16.161, 163.394
Yxy	12.5000, 0.2874, 0.3664
Android (android.graphics.Color)	4283001435 (0xFF496A5B)
YUV	94.4230, -1.6875, -18.7880
Hunter-Lab	35.3553, -12.3596, 4.9432

Details

The CIELCh color $42, 16.161, 163.394$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $35, 16.908, 349.026$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 15.797, 163.369$, and $22, 16.638, 162.215$ is the 20% darker color. If you saturate the color by 10%, you get $41, 21.115, 162.290$, and if you desaturate by 10%, it is $43, 11.042, 164.390$.

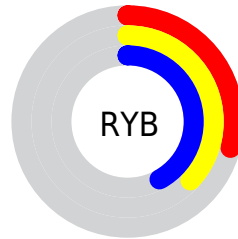
Distribution



Red (29%)

Green (42%)

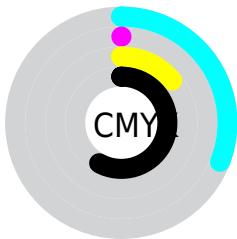
Blue (36%)



Red (29%)

Yellow (37%)

Blue (42%)

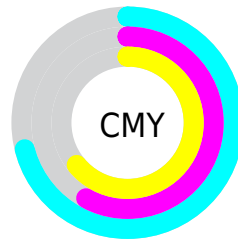


Cyan (31%)

Magenta (0%)

Yellow (14%)

Black (58%)



Cyan (71%)


Magenta (58%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 16.161, 163.394 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, 16.161, 163.394 by changing the saturation by 10% instead.


 42, 16.161,
163.394


 42, 16.161,
163.394


 100, 16.161,
163.394


 32, 16.161,
163.394

 62, 16.161,
163.394


 22, 16.161,
163.394

 72, 16.161,
163.394


 12, 16.161,
163.394


 82, 16.161,
163.394

 2, 16.161, 163.394

 92, 16.161,
163.394

 0, 16.161, 163.394

 42, 16.161,

 42, 16.161,

163.394

163.394

■ 41, 21.115,
162.290

■ 43, 11.042,
164.390

■ 41, 25.824,
161.061

■ 44, 5.828, 165.308

■ 40, 30.211,
159.683

■ 45, 0.580, 166.542

■ 46, 4.651, 346.781

■ 40, 34.205,
158.137

■ 47, 9.826, 347.511

■ 39, 37.755,
156.405

■ 48, 14.915,
348.172

■ 39, 40.841,
154.485

■ 50, 19.897,
348.789

■ 39, 43.409,
152.834

■ 51, 24.760,
349.368

■ 52, 29.495,
349.916

Harmonies

Complementary

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



42, 16.161, 163.394



35, 16.908, 349.026

Rectangle

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



42, 16.161, 163.394



42, 16.161, 213.394



42, 16.161, 343.394



42, 16.161, 33.394

Sweetspot

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



42, 16.162, 163.393



56, 5.847, 165.476



43, 21.084, 128.884



28, 4.033, 165.377



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



42, 16.162, 163.393



53, 23.636, 162.644



42, 12.002, 201.208



22, 2.970, 165.501



43, 46.880, 152.550



85, 82.989, 151.103

Inverse Universe

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



35, 16.908, 349.026



43, 24.962, 349.828



35, 14.710, 24.319



21, 3.012, 346.848



24, 47.612, 4.307



52, 81.859, 7.294

Previews

White Background



This preview shows how the CIE LCh color 42, 16.161, 163.394 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, 16.161, 163.394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

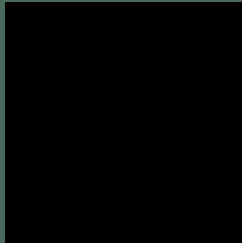
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 16.161, 163.394

Background



This preview shows how black text looks on a background with the CIELCh color 42, 16.161, 163.394.



This preview shows how white text looks on a background with the CIELCh color 42, 16.161, 163.394.

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, 16.161, 163.394

Protanopia

42, 6.970, 90.931

Deuteranopia

42, 6.590, 30.677



Tritanopia
42, 10.673, 225.520

Trichromacy



Original Color
42, 16.161, 163.394

Protanomaly
42, 8.746, 134.979

Deuteranomaly
42, 4.310, 120.887

Tritanomaly
42, 10.735, 198.140

Monochromacy



Original Color
42, 16.161, 163.394

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 5.846, 167.435

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 16.161, 163.394 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(73, 106, 91)` looks like.

```
.text, #text, p{  
    color:rgb(73, 106, 91)  
}
```

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(73, 106, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 106, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 16.161, 163.394 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(73, 106, 91) }
```

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

```
.border{ border-color:rgb(73, 106, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 106, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 106, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 106, 91);  
box-shadow:4px 4px 4px 4px rgb(73, 106,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 16.161, 163.394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 106, 91) }
```

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

```
.background{ background-color: rgb(73, 106,  
91) }
```

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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