

Converting Colors

CIELCh(42, 15.331, 270.136)

Have a look what the booklet for
CIELCh(42, 15.331, 270.136)
contains.

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Color

CIELCh(42, 15.396, 270.363)

Conversions

Conversions Part 1

Format	Color
Hex	54647C
RGB	84, 100, 124
RGB Percent	33%, 39%, 49%
CMY	0.6699, 0.6072, 0.5130
CMYK	0.32, 0.19, 0.00, 0.51
HSL	216°, 19%, 41%
HSV	216°, 32%, 49%
XYZ	11.8948, 12.5000, 20.9141
YIQ	97.9520, -17.2400, 4.0720

Conversions

Conversions Part 2

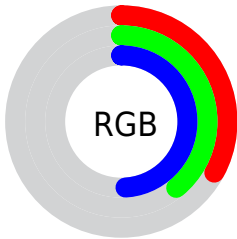
Format	Color
R_{YB}	84, 95, 124
Decimal	5530748
CIE _{Lab}	42.00, 0.10, -15.40
CIE _{LCh}	42, 15.396, 270.363
Yxy	12.5000, 0.2625, 0.2759
Android (android.graphics.Color)	4283720828 (0xFF54647C)
YUV	97.9520, 12.8417, -12.2359
Hunter-Lab	35.3553, -1.8181, -10.3236

Details

The CIELCh color **42, 15.396, 270.363** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 15.944, 81.380**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 15.448, 270.636**, and **22, 15.072, 269.244** is the 20% darker color. If you saturate the color by 10%, you get **39, 20.229, 272.453**, and if you desaturate by 10%, it is **45, 10.587, 268.572**.

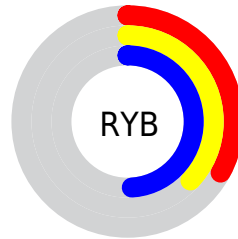
Distribution



Red (33%)

Green (39%)

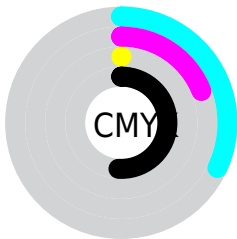
Blue (49%)



Red (33%)

Yellow (37%)

Blue (49%)

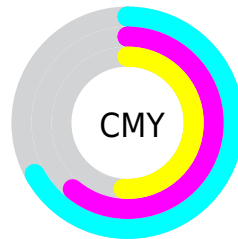


Cyan (32%)

Magenta (19%)

Yellow (0%)

Black (51%)



Cyan (67%)


Magenta (61%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 15.396, 270.363 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, 15.396, 270.363 by changing the saturation by 10% instead.


 42, 15.396,
270.363


 42, 15.396,
270.363


 100, 15.396,
270.363


 32, 15.396,
270.363

 62, 15.396,
270.363


 22, 15.396,
270.363

 72, 15.396,
270.363

 12, 15.396,
270.363


 82, 15.396,
270.363

 2, 15.396, 270.363

 92, 15.396,
270.363

 0, 15.396, 270.363

 42, 15.396,

 42, 15.396,

270.363

270.363

■ 39, 20.229,
272.453

■ 45, 10.587,
268.572

■ 36, 25.093,
274.889

■ 48, 5.806, 267.049

■ 33, 30.005,
277.700

■ 51, 1.054, 265.884

■ 55, 3.662, 84.489

■ 30, 34.989,
280.894

■ 58, 8.335, 83.525

■ 27, 40.080,
284.431

■ 61, 12.962, 82.663

■ 64, 17.537, 81.899

■ 25, 45.298,
288.209

■ 67, 22.056, 81.221

■ 23, 49.472,
290.972

■ 70, 26.517, 80.615

Harmonies

Complementary

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



42, 15.396, 270.363



47, 15.944, 81.380

Rectangle

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



42, 15.396, 270.363



42, 15.396, 320.363



42, 15.396, 90.363



42, 15.396, 140.363

Sweetspot

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



42, 15.395, 270.361



62, 5.864, 266.778



49, 18.227, 166.391



32, 4.033, 266.936



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



42, 15.395, 270.361



51, 23.055, 271.944



38, 24.766, 297.262



24, 2.643, 266.621



23, 49.725, 290.999



47, 88.533, 293.217

Inverse Universe

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



41, 19.372, 352.629



49, 29.048, 353.641



51, 23.001, 111.592



24, 3.257, 350.144



26, 49.859, 9.771



54, 84.356, 12.796

Previews

White Background



This preview shows how the CIE LCh color 42, 15.396, 270.363 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, 15.396, 270.363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

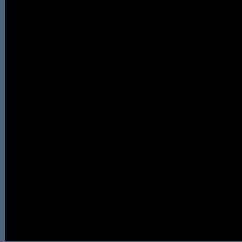
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

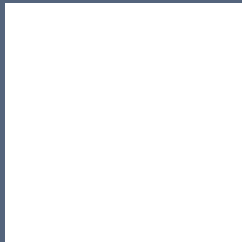
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 15.396, 270.363

Background



This preview shows how black text looks on a background with the CIELCh color 42, 15.396, 270.363.

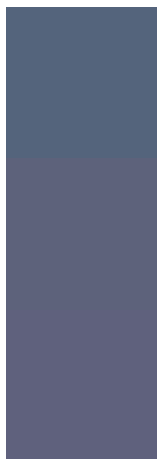


This preview shows how white text looks on a background with the CIELCh color 42, 15.396, 270.363.

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, 15.396, 270.363

Protanopia

42, 15.181, 285.383

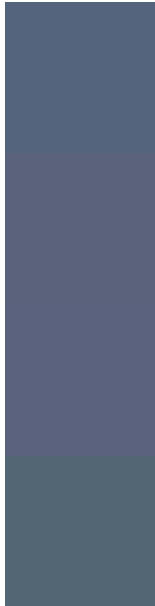
Deuteranopia

42, 16.943, 290.150



Tritanopia
42, 9.466, 229.434

Trichromacy



Original Color
42, 15.396, 270.363

Protanomaly
42, 14.774, 279.364

Deuteranomaly
42, 16.452, 283.633

Tritanomaly
42, 11.034, 249.179

Monochromacy



Original Color
42, 15.396, 270.363

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 5.887, 267.251

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 15.396, 270.363 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(84, 100, 124)` looks like.

```
.text, #text, p{  
    color:rgb(84, 100, 124)  
}
```

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(84, 100, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 100, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 15.396, 270.363 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(84, 100, 124) }
```

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

```
.border{ border-color:rgb(84, 100, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 100, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 100, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 100, 124);  
box-shadow:4px 4px 4px 4px rgb(84, 100,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 15.396, 270.363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 100, 124) }
```

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

```
.background{ background-color: rgb(84, 100,  
124) }
```

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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