

Converting Colors

CIELCh(42, 16.980, 254.027)

Have a look what the booklet for
CIELCh(42, 16.980, 254.027)
contains.

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Color

CIELCh(42, 17.055, 253.697)

Conversions

Conversions Part 1

Format	Color
Hex	48677E
RGB	72, 103, 126
RGB Percent	28%, 40%, 49%
CMY	0.7189, 0.5973, 0.5072
CMYK	0.43, 0.18, 0.00, 0.51
HSL	206°, 27%, 39%
HSV	206°, 43%, 49%
XYZ	11.2113, 12.5000, 21.4479
YIQ	96.3530, -25.8590, 0.5810

Conversions

Conversions Part 2

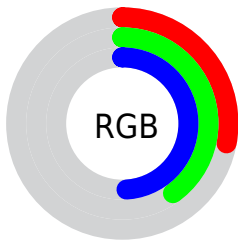
Format	Color
R _Y B	72, 92, 126
Decimal	4745086
CIE Lab	42.00, -4.79, -16.37
CIE LCh	42, 17.055, 253.697
Yxy	12.5000, 0.2483, 0.2768
Android (android.graphics.Color)	4282935166 (0xFF48677E)
YUV	96.3530, 14.6160, -21.3576
Hunter-Lab	35.3553, -5.2689, -11.2188

Details

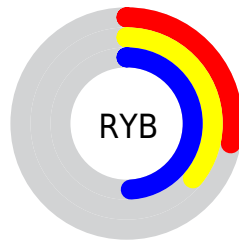
The CIELCh color `42, 17.055, 253.697` is a dark color, and the websafe version is hex `336666`. A complement of this color would be `43, 20.327, 62.557`, and the grayscale version is `41, 0.006, 296.813`.

A 20% lighter version of the original color is `62, 17.157, 254.072`, and `22, 17.127, 254.398` is the 20% darker color. If you saturate the color by 10%, you get `40, 20.638, 256.159`, and if you desaturate by 10%, it is `44, 13.302, 251.644`.

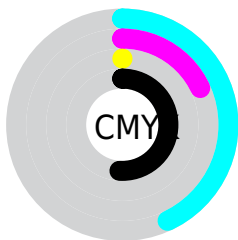
Distribution



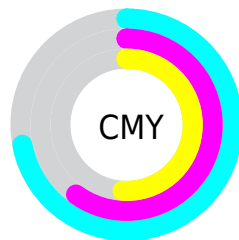
- Red (28%)
- Green (40%)
- Blue (49%)



- Red (28%)
- Yellow (36%)
- Blue (49%)



- Cyan (43%)
- Magenta (18%)
- Yellow (0%)
- Black (51%)



- Cyan (72%)
- Magenta (60%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 17.055, 253.697 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, 17.055, 253.697 by changing the saturation by 10% instead.

■ 42, 17.055,
253.697

■ 42, 17.055,
253.697

■ 100, 17.055,
253.697

■ 32, 17.055,
253.697

■ 62, 17.055,
253.697

■ 22, 17.055,
253.697

■ 72, 17.055,
253.697

■ 12, 17.055,
253.697

■ 82, 17.055,
253.697

■ 2, 17.055, 253.697

■ 92, 17.055,
253.697

■ 0, 17.055, 253.697

■ 42, 17.055,

■ 42, 17.055,

253.697

40, 20.638,
256.159

37, 24.046,
259.096

35, 27.294,
262.550

33, 30.421,
266.527

31, 33.500,
270.963

30, 35.743,
273.982

253.697

44, 13.302,
251.644

47, 9.400, 249.941

49, 5.371, 248.539

52, 1.243, 247.533

54, 2.962, 66.185

57, 7.220, 65.397

60, 11.514, 64.690

62, 15.828, 64.076

65, 20.148, 63.544

Harmonies

Complementary

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



42, 17.055, 253.697



43, 20.327, 62.557

Rectangle

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



42, 17.055, 253.697



42, 17.055, 303.697



42, 17.055, 73.697



42, 17.055, 123.697

Sweetspot

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



42, 17.054, 253.696



63, 6.669, 248.583



48, 28.089, 155.507



32, 4.633, 248.825



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, 17.054, 253.696



51, 25.079, 256.231



34, 30.993, 292.498



26, 2.374, 248.078



30, 36.162, 274.061



0, 0.000, 0.000

Inverse Universe

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



38, 28.752, 343.589



45, 42.512, 344.784



50, 28.352, 102.281



25, 3.781, 340.488



27, 51.994, 353.997



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 42, 17.055, 253.697 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, 17.055, 253.697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

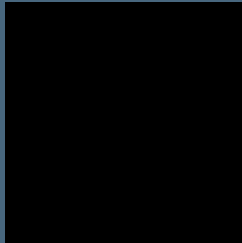
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

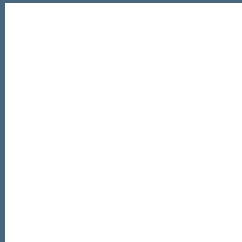
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 17.055, 253.697

Background



This preview shows how black text looks on a background with the CIELCh color 42, 17.055, 253.697.

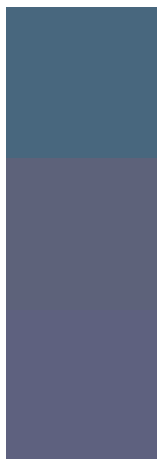


This preview shows how white text looks on a background with the CIELCh color 42, 17.055, 253.697.

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, 17.055, 253.697

Protanopia

42, 14.584, 284.978

Deuteranopia

42, 18.157, 289.365



Tritanopia
42, 13.912, 218.483

Trichromacy



Original Color
42, 17.055, 253.697

Protanomaly
42, 14.733, 270.569

Deuteranomaly
42, 17.385, 277.189

Tritanomaly
42, 14.597, 233.950

Monochromacy



Original Color
42, 17.055, 253.697

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 6.853, 252.188

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 17.055, 253.697 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(72, 103, 126)` looks like.

```
.text, #text, p{  
    color:rgb(72, 103, 126)  
}
```

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(72, 103, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 103, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 17.055, 253.697 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(72, 103, 126) }
```

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

```
.border{ border-color:rgb(72, 103, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 103, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 103, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 103, 126);  
box-shadow:4px 4px 4px 4px rgb(72, 103,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 17.055, 253.697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 103, 126) }
```

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

```
.background{ background-color: rgb(72, 103,  
126) }
```

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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