

Converting Colors

CIELCh(42, 16.754, 228.501)

Have a look what the booklet for
CIELCh(42, 16.754, 228.501)
contains.

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Color

CIELCh(42, 16.753, 228.555)

Conversions

Conversions Part 1

Format	Color
Hex	3D6977
RGB	61, 105, 119
RGB Percent	24%, 41%, 47%
CMY	0.7597, 0.5871, 0.5322
CMYK	0.49, 0.12, 0.00, 0.53
HSL	194°, 32%, 35%
HSV	194°, 49%, 47%
XYZ	10.3690, 12.5000, 19.4088
YIQ	93.4400, -30.7180, -4.9740

Conversions

Conversions Part 2

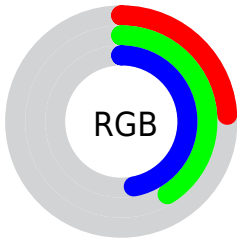
Format	Color
R _Y B	61, 86, 119
Decimal	4024695
CIE Lab	42.00, -11.09, -12.56
CIE LCh	42, 16.753, 228.555
Yxy	12.5000, 0.2453, 0.2957
Android (android.graphics.Color)	4282214775 (0xFF3D6977)
YUV	93.4400, 12.6011, -28.4499
Hunter-Lab	35.3553, -9.5213, -7.7993

Details

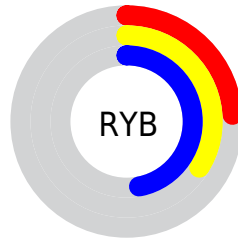
The CIELCh color **42, 16.753, 228.555** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **37, 23.339, 43.483**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 16.764, 228.672**, and **22, 16.849, 228.837** is the 20% darker color. If you saturate the color by 10%, you get **41, 19.275, 230.258**, and if you desaturate by 10%, it is **44, 13.854, 227.222**.

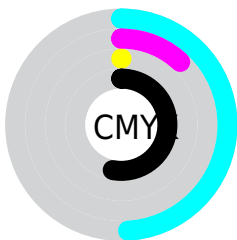
Distribution



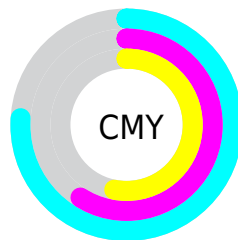
- Red (24%)
- Green (41%)
- Blue (47%)



- Red (24%)
- Yellow (34%)
- Blue (47%)



- Cyan (49%)
- Magenta (12%)
- Yellow (0%)
- Black (53%)





- Cyan (76%)
- Magenta (59%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 16.753, 228.555 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, 16.753, 228.555 by changing the saturation by 10% instead.


 42, 16.753,
228.555


 42, 16.753,
228.555


 100, 16.753,
228.555


 32, 16.753,
228.555

 62, 16.753,
228.555


 22, 16.753,
228.555

 72, 16.753,
228.555

 12, 16.753,
228.555


 82, 16.753,
228.555

 2, 16.753, 228.555

 92, 16.753,
228.555

 0, 16.753, 228.555

 42, 16.753,

 42, 16.753,

228.555

228.555

■ 41, 19.275,
230.258

■ 44, 13.854,
227.222

■ 39, 21.390,
232.414

■ 45, 10.625,
226.197

■ 38, 23.088,
235.102

■ 47, 7.115, 225.423

■ 37, 24.394,
238.388

■ 49, 3.375, 224.882

■ 36, 25.476,
242.077

■ 50, 0.549, 43.667

■ 35, 25.632,
242.568

■ 52, 4.616, 43.926

■ 54, 8.792, 43.732

■ 56, 13.047, 43.589

■ 58, 17.357, 43.497

Harmonies

Complementary

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



42, 16.753, 228.555



37, 23.339, 43.483

Rectangle

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



42, 16.753, 228.555



42, 16.753, 278.555



42, 16.753, 48.555



42, 16.753, 98.555

Sweetspot

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



42, 16.753, 228.553



61, 7.183, 225.220



45, 34.979, 147.614



31, 4.917, 225.324



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



42, 16.753, 228.553



52, 23.601, 230.420



33, 26.996, 283.993



24, 2.172, 224.898



36, 26.125, 242.700



72, 44.860, 245.414

Inverse Universe

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



35, 34.877, 335.284



42, 50.434, 336.133



44, 26.132, 90.235



23, 4.020, 332.541



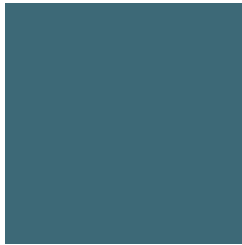
27, 56.113, 340.240



56, 94.266, 341.091

Previews

White Background



This preview shows how the CIE LCh color 42, 16.753, 228.555 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, 16.753, 228.555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

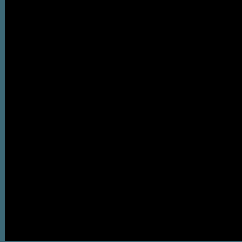
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 16.753, 228.555

Background



This preview shows how black text looks on a background with the CIELCh color 42, 16.753, 228.555.



This preview shows how white text looks on a background with the CIELCh color 42, 16.753, 228.555.

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, 16.753, 228.555

Protanopia

42, 9.695, 287.017

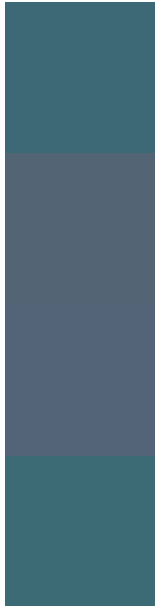
Deuteranopia

42, 14.528, 292.297



Tritanopia
42, 16.470, 217.178

Trichromacy



Original Color
42, 16.753, 228.555

Protanomaly
42, 11.069, 254.316

Deuteranomaly
42, 13.241, 265.703

Tritanomaly
42, 16.708, 221.431

Monochromacy



Original Color
42, 16.753, 228.555

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 6.885, 225.081

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 16.753, 228.555 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(61, 105, 119)` looks like.

```
.text, #text, p{  
    color:rgb(61, 105, 119)  
}
```

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(61, 105, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 105, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 16.753, 228.555 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(61, 105, 119) }
```

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

```
.border{ border-color:rgb(61, 105, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 105, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 105, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 105, 119);  
box-shadow:4px 4px 4px 4px rgb(61, 105,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 16.753, 228.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 105, 119) }
```

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

```
.background{ background-color: rgb(61, 105,  
119) }
```

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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