

Converting Colors

CIELCh(42, 24.257, 120.389)

Have a look what the booklet for
CIELCh(42, 24.257, 120.389)
contains.

CIELCh(42, 24.345, 120.721)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 24.345, 120.721)

Conversions

Conversions Part 1

Format	Color
Hex	5B6840
RGB	91, 104, 64
RGB Percent	36%, 41%, 25%
CMY	0.6431, 0.5921, 0.7489
CMYK	0.12, 0.00, 0.38, 0.59
HSL	80°, 24%, 33%
HSV	80°, 38%, 41%
XYZ	10.1945, 12.5000, 6.7287
YIQ	95.5530, 5.0920, -15.1960

Conversions

Conversions Part 2

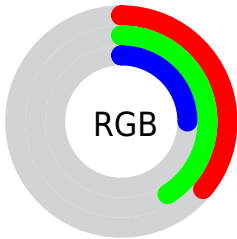
Format	Color
RYB	64, 104, 77
Decimal	5990464
CIELab	42.00, -12.44, 20.93
CIELCh	42, 24.345, 120.721
Yxy	12.5000, 0.3465, 0.4248
Android (android.graphics.Color)	4284180544 (0xFF5B6840)
YUV	95.5530, -15.5556, -3.9930
Hunter-Lab	35.3553, -10.4025, 13.4649

Details

The CIELCh color $42, 24.345, 120.721$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $30, 26.165, 305.166$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 24.396, 120.322$, and $22, 24.442, 120.891$ is the 20% darker color. If you saturate the color by 10%, you get $42, 30.385, 120.237$, and if you desaturate by 10%, it is $42, 18.120, 121.247$.

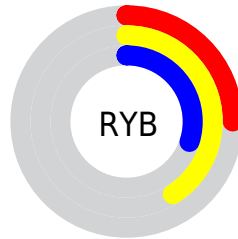
Distribution



 Red (36%)

 Green (41%)

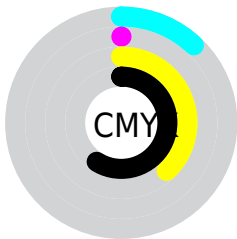
 Blue (25%)




 Red (25%)

 Yellow (41%)

 Blue (30%)

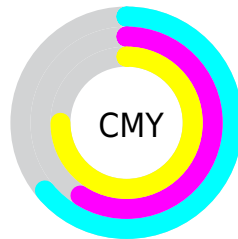


 Cyan (12%)


 Magenta (0%)

 Yellow (38%)

 Black (59%)



 Cyan (64%)


 Magenta (59%)


 Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 24.345, 120.721 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, 24.345, 120.721 by changing the saturation by 10% instead.


 42, 24.345,
120.721


 42, 24.345,
120.721


 100, 24.345,
120.721


 32, 24.345,
120.721

 62, 24.345,
120.721


 22, 24.345,
120.721

 72, 24.345,
120.721

 12, 24.345,
120.721

 82, 24.345,
120.721

 2, 24.345, 120.721

 92, 24.345,
120.721

 0, 24.345, 120.721

 42, 24.345,

 42, 24.345,

120.721

120.721

■ 42, 30.385,
120.237

■ 42, 18.120,
121.247

■ 41, 36.120,
119.831

■ 43, 11.787,
121.782

■ 41, 41.385,
119.562

■ 44, 5.403, 122.313

■ 41, 45.957,
119.512

■ 44, 0.993, 302.780

■ 45, 7.373, 303.295

■ 40, 49.583,
119.775

■ 45, 13.717,
303.753

■ 40, 52.538,
120.221

■ 46, 20.009,
304.180

■ 40, 53.015,
120.270

■ 47, 26.238,
304.575

■ 48, 32.396,

Harmonies

Complementary

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



42, 24.345, 120.721



30, 26.165, 305.166

Rectangle

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



42, 24.345, 120.721



42, 24.345, 170.721



42, 24.345, 300.721



42, 24.345, 350.721

Sweetspot

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



42, 24.346, 120.723



56, 9.508, 122.108



35, 15.396, 51.282



29, 6.355, 122.062



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, 24.346, 120.723



53, 35.812, 120.291



41, 27.801, 137.286



21, 3.530, 122.290



44, 56.896, 120.435



88, 99.257, 121.323

Inverse Universe

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



30, 26.165, 305.166



36, 39.268, 305.855



32, 28.197, 320.912



19, 3.588, 303.205



13, 71.342, 309.080



34, 124.617, 308.506

Previews

White Background



This preview shows how the CIELCh color 42, 24.345, 120.721 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, 24.345, 120.721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

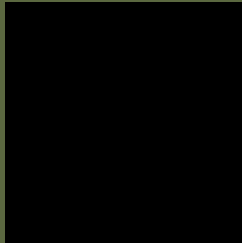
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

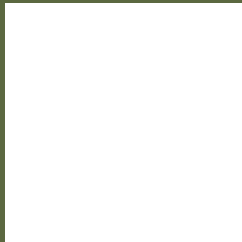
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 24.345, 120.721

Background



This preview shows how black text looks on a background with the CIELCh color 42, 24.345, 120.721.



This preview shows how white text looks on a background with the CIELCh color 42, 24.345, 120.721.

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, 24.345, 120.721

Protanopia

42, 22.431, 95.933

Deuteranopia

42, 21.003, 74.796



Tritanopia
42, 4.887, 281.470

Trichromacy



Original Color
42, 24.345, 120.721

Protanomaly
42, 22.511, 105.601

Deuteranomaly
42, 20.413, 92.531

Tritanomaly
42, 6.553, 132.107

Monochromacy



Original Color
42, 24.345, 120.721

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 9.307, 122.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 24.345, 120.721 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(91, 104, 64)` looks like.

```
.text, #text, p{  
    color:rgb(91, 104, 64)  
}
```

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(91, 104, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 104, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 24.345, 120.721 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(91, 104, 64) }
```

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

```
.border{ border-color:rgb(91, 104, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 104, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 104, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 104, 64);  
box-shadow:4px 4px 4px 4px rgb(91, 104,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 24.345, 120.721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 104, 64) }
```

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

```
.background{ background-color: rgb(91, 104,  
64) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor