

Converting Colors

CIELCh(42, 24.482, 117.252)

Have a look what the booklet for
CIELCh(42, 24.482, 117.252)
contains.

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Color

CIELCh(42, 23.975, 116.571)

Conversions

Conversions Part 1

Format	Color
Hex	5E673F
RGB	94, 103, 63
RGB Percent	37%, 40%, 25%
CMY	0.6305, 0.5952, 0.7521
CMYK	0.09, 0.00, 0.39, 0.60
HSL	73°, 24%, 33%
HSV	73°, 39%, 40%
XYZ	10.4166, 12.5000, 6.5982
YIQ	95.7490, 7.4760, -14.3480

Conversions

Conversions Part 2

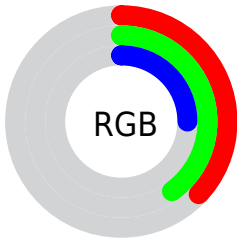
Format	Color
RYB	63, 103, 72
Decimal	6186815
CIELab	42.00, -10.72, 21.44
CIElCh	42, 23.975, 116.571
Yxy	12.5000, 0.3529, 0.4235
Android (android.graphics.Color)	4284376895 (0xFF5E673F)
YUV	95.7490, -16.1453, -1.5339
Hunter-Lab	35.3553, -9.2812, 13.6836

Details

The CIELCh color $42, 23.975, 116.571$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $29, 26.029, 301.956$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 24.084, 116.513$, and $22, 23.948, 116.270$ is the 20% darker color. If you saturate the color by 10%, you get $42, 29.844, 116.005$, and if you desaturate by 10%, it is $42, 17.911, 117.182$.

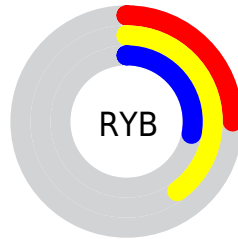
Distribution



Red (37%)

Green (40%)

Blue (25%)



Red (25%)

Yellow (40%)

Blue (28%)

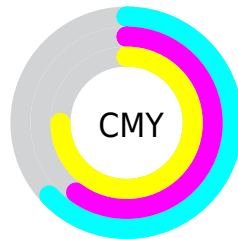


Cyan (9%)

Magenta (0%)

Yellow (39%)

Black (60%)



Cyan (63%)


Magenta (60%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 23.975, 116.571 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, 23.975, 116.571 by changing the saturation by 10% instead.


 42, 23.975,
116.571


 42, 23.975,
116.571


 100, 23.975,
116.571


 32, 23.975,
116.571

 62, 23.975,
116.571


 22, 23.975,
116.571

 72, 23.975,
116.571

 12, 23.975,
116.571

 82, 23.975,
116.571

 2, 23.975, 116.571

 92, 23.975,
116.571

 0, 23.975, 116.571

 42, 23.975,

 42, 23.975,

116.571

116.571

■ 42, 29.844,
116.005

■ 42, 17.911,
117.182

■ 41, 35.397,
115.514

■ 43, 11.729,
117.805

■ 41, 40.466,
115.153

■ 43, 5.485, 118.425

■ 41, 44.826,
114.993

■ 44, 0.782, 299.010

■ 44, 7.046, 299.605

■ 41, 48.223,
115.115

■ 45, 13.288,
300.158

■ 40, 50.984,
115.395

■ 45, 19.493,
300.680

■ 40, 51.343,
115.419

■ 46, 25.650,
301.170

■ 47, 31.750,

Harmonies

Complementary

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



42, 23.975, 116.571



29, 26.029, 301.956

Rectangle

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



42, 23.975, 116.571



42, 23.975, 166.571



42, 23.975, 296.571



42, 23.975, 346.571

Sweetspot

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



42, 23.976, 116.573



56, 9.371, 118.204



34, 16.067, 40.960



29, 6.263, 118.151



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, 23.976, 116.573



54, 35.907, 116.026



41, 26.998, 134.444



21, 3.480, 118.416



45, 55.374, 115.559



89, 96.352, 116.261

Inverse Universe

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



29, 26.029, 301.956



35, 39.989, 302.924



31, 27.685, 317.815



19, 3.544, 299.515



12, 72.531, 307.811



32, 126.591, 307.361

Previews

White Background



This preview shows how the CIE LCh color 42, 23.975, 116.571 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, 23.975, 116.571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

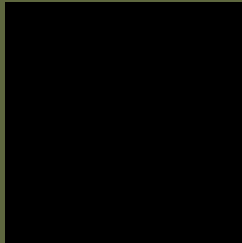
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

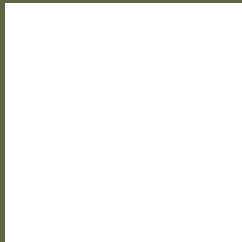
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 23.975, 116.571

Background



This preview shows how black text looks on a background with the CIELCh color 42, 23.975, 116.571.



This preview shows how white text looks on a background with the CIELCh color 42, 23.975, 116.571.

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, 23.975, 116.571

Protanopia

42, 22.431, 95.933

Deuteranopia

42, 21.520, 75.496



Tritanopia
42, 4.921, 300.359

Trichromacy



Original Color
42, 23.975, 116.571

Protanomaly
42, 23.098, 104.382

Deuteranomaly
42, 21.113, 91.568

Tritanomaly
42, 6.081, 117.364

Monochromacy



Original Color
42, 23.975, 116.571

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 9.209, 119.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 23.975, 116.571 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(94, 103, 63)` looks like.

```
.text, #text, p{  
    color:rgb(94, 103, 63)  
}
```

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(94, 103, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 103, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 23.975, 116.571 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(94, 103, 63) }
```

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

```
.border{ border-color:rgb(94, 103, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 103, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 103, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 103, 63);  
box-shadow:4px 4px 4px 4px rgb(94, 103,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 23.975, 116.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 103, 63) }
```

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

```
.background{ background-color: rgb(94, 103,  
63) }
```

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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