

Converting Colors

CIELCh(42, 25.299, 108.685)

Have a look what the booklet for
CIELCh(42, 25.299, 108.685)
contains.

CIELCh(42, 25.331, 108.497)	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, 25.331, 108.497)

Conversions

Conversions Part 1

Format	Color
Hex	64663B
RGB	100, 102, 59
RGB Percent	39%, 40%, 23%
CMY	0.6083, 0.6004, 0.7690
CMYK	0.02, 0.00, 0.42, 0.60
HSL	63°, 27%, 32%
HSV	63°, 42%, 40%
XYZ	10.7716, 12.5000, 5.9693
YIQ	96.5000, 12.6110, -13.7970

Conversions

Conversions Part 2

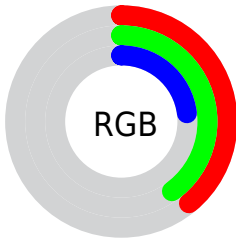
Format	Color
RYB	59, 102, 61
Decimal	6579771
CIELab	42.00, -8.04, 24.02
CIELCh	42, 25.331, 108.497
Yxy	12.5000, 0.3684, 0.4275
Android (android.graphics.Color)	4284769851 (0xFF64663B)
YUV	96.5000, -18.4875, 3.0695
Hunter-Lab	35.3553, -7.4890, 14.7383

Details

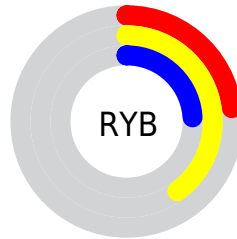
The CIELCh color $42, 25.331, 108.497$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $27, 28.039, 296.839$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 25.411, 108.297$, and $22, 25.113, 108.173$ is the 20% darker color. If you saturate the color by 10%, you get $42, 30.930, 107.726$, and if you desaturate by 10%, it is $42, 19.495, 109.317$.

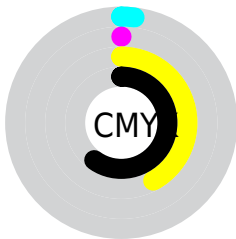
Distribution



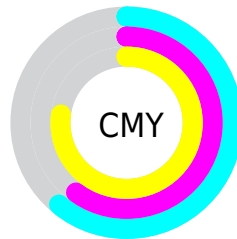
- Red (39%)
- Green (40%)
- Blue (23%)



- Red (23%)
- Yellow (40%)
- Blue (24%)



- Cyan (2%)
- Magenta (0%)
- Yellow (42%)
- Black (60%)



- Cyan (61%)
- Magenta (60%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 25.331, 108.497 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, 25.331, 108.497 by changing the saturation by 10% instead.

 42, 25.331,
108.497


 42, 25.331,
108.497


 100, 25.331,
108.497


 32, 25.331,
108.497

 62, 25.331,
108.497


 22, 25.331,
108.497

 72, 25.331,
108.497

 12, 25.331,
108.497

 82, 25.331,
108.497

 2, 25.331, 108.497

 92, 25.331,
108.497

 0, 25.331, 108.497

 42, 25.331,

 42, 25.331,

108.497

■ 42, 30.930,
107.726

■ 42, 36.154,
107.024

■ 42, 40.811,
106.432

■ 41, 44.657,
105.993

■ 41, 47.473,
105.743

■ 41, 49.493,
105.576

108.497

■ 42, 19.495,
109.317

■ 42, 13.513,
110.155

■ 43, 7.446, 110.996

■ 43, 1.337, 111.812

■ 43, 4.787, 292.654

■ 44, 10.908,
293.441

■ 44, 17.010,
294.199

■ 45, 23.083,
294.924

■ 45, 29.121,

Harmonies

Complementary

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



42, 25.331, 108.497



27, 28.039, 296.839

Rectangle

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



42, 25.331, 108.497



42, 25.331, 158.497



42, 25.331, 288.497



42, 25.331, 338.497

Sweetspot

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



42, 25.332, 108.500



55, 9.854, 110.897



30, 20.053, 25.554



28, 6.837, 110.758



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



42, 25.332, 108.500



54, 37.508, 107.705



40, 27.514, 128.389



21, 3.433, 111.268



46, 53.838, 105.613



92, 93.384, 105.779

Inverse Universe

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



27, 28.039, 296.839



31, 42.916, 298.496



29, 28.990, 312.117



19, 3.502, 292.803



11, 73.931, 306.529



31, 128.510, 306.385

Previews

White Background



This preview shows how the CIELCh color 42, 25.331, 108.497 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, 25.331, 108.497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

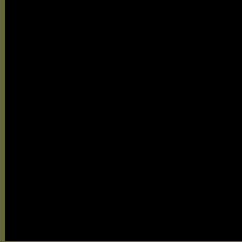
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 25.331, 108.497

Background



This preview shows how black text looks on a background with the CIELCh color 42, 25.331, 108.497.



This preview shows how white text looks on a background with the CIELCh color 42, 25.331, 108.497.

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

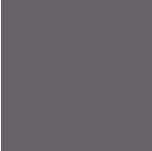
42, 25.331, 108.497

Protanopia

42, 24.788, 95.414

Deuteranopia

42, 23.868, 76.950



Tritanopia
42, 5.390, 328.429

Trichromacy



Original Color
42, 25.331, 108.497

Protanomaly
42, 24.995, 99.887

Deuteranomaly
42, 23.794, 89.265

Tritanomaly
42, 6.834, 94.439

Monochromacy



Original Color
42, 25.331, 108.497

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 9.052, 111.572

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 25.331, 108.497 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(100, 102, 59)` looks like.

```
.text, #text, p{  
    color:rgb(100, 102, 59)  
}
```

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(100, 102, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 102, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 25.331, 108.497 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(100, 102, 59) }
```

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

```
.border{ border-color:rgb(100, 102, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 102, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 102, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 102, 59);  
box-shadow:4px 4px 4px 4px rgb(100, 102,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 25.331, 108.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 102, 59) }
```

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

```
.background{ background-color: rgb(100,  
102, 59) }
```

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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