

Converting Colors

CIELCh(42, 33.042, 107.239)

Have a look what the booklet for
CIELCh(42, 33.042, 107.239)
contains.

CIELCh(42, 32.926, 106.910)	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, 32.926, 106.910)

Conversions

Conversions Part 1

Format	Color
Hex	64662D
RGB	100, 102, 45
RGB Percent	39%, 40%, 18%
CMY	0.6063, 0.5985, 0.8221
CMYK	0.02, 0.00, 0.56, 0.60
HSL	62°, 39%, 29%
HSV	62°, 56%, 40%
XYZ	10.5671, 12.5000, 4.3742
YIQ	94.9040, 17.1050, -18.1510

Conversions

Conversions Part 2

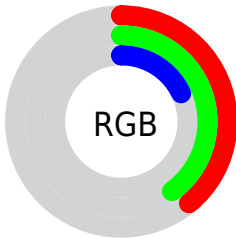
Format	Color
RYB	45, 102, 47
Decimal	6579757
CIELab	42.00, -9.58, 31.50
CIElCh	42, 32.926, 106.910
Yxy	12.5000, 0.3851, 0.4555
Android (android.graphics.Color)	4284769837 (0xFF64662D)
YUV	94.9040, -24.6027, 4.4692
Hunter-Lab	35.3553, -8.5213, 17.4133

Details

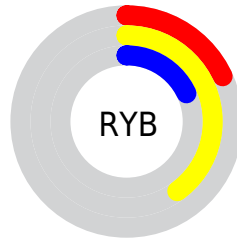
The CIELCh color $42, 32.926, 106.910$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $22, 38.126, 298.774$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 32.885, 107.252$, and $22, 31.446, 107.397$ is the 20% darker color. If you saturate the color by 10%, you get $42, 37.992, 106.225$, and if you desaturate by 10%, it is $42, 27.423, 107.683$.

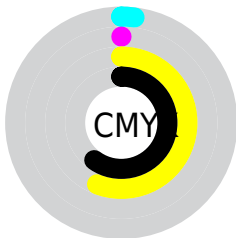
Distribution



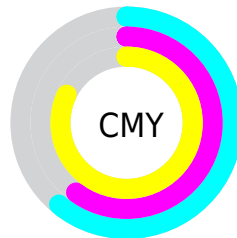
- Red (39%)
- Green (40%)
- Blue (18%)



- Red (18%)
- Yellow (40%)
- Blue (18%)



- Cyan (2%)
- Magenta (0%)
- Yellow (56%)
- Black (60%)





- Cyan (61%)
- Magenta (60%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 32.926, 106.910 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, 32.926, 106.910 by changing the saturation by 10% instead.


 42, 32.926,
106.910


 42, 32.926,
106.910


 100, 32.926,
106.910


 32, 32.926,
106.910

 62, 32.926,
106.910


 22, 32.926,
106.910

 72, 32.926,
106.910

 12, 32.926,
106.910

 82, 32.926,
106.910

 2, 32.926, 106.910

 92, 32.926,
106.910

 0, 32.926, 106.910

 42, 32.926,

 42, 32.926,

106.910

■ 42, 37.992,
106.225

■ 42, 42.404,
105.658

■ 42, 45.909,
105.252

■ 42, 48.497,
105.005

■ 42, 49.625,
104.895

106.910

■ 42, 27.423,
107.683

■ 42, 21.637,
108.504

■ 43, 15.677,
109.354

■ 43, 9.613, 110.212

■ 43, 3.493, 111.062

■ 43, 2.650, 291.923

■ 44, 8.795, 292.732

■ 44, 14.927,
293.519

■ 45, 21.035,
294.274

Harmonies

Complementary

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



42, 32.926, 106.910



22, 38.126, 298.774

Rectangle

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



42, 32.926, 106.910



42, 32.926, 156.910



42, 32.926, 286.910



42, 32.926, 336.910

Sweetspot

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



42, 32.927, 106.913



55, 12.868, 110.060



27, 27.711, 27.648



28, 8.534, 109.949



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, 32.927, 106.913



54, 47.491, 106.029



40, 35.960, 127.840



21, 3.431, 110.791



46, 53.804, 104.921



92, 93.316, 105.047

Inverse Universe

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



22, 38.126, 298.774



24, 57.859, 301.249



25, 38.598, 312.738



19, 3.500, 292.359



11, 74.004, 306.468



31, 128.563, 306.360

Previews

White Background



This preview shows how the CIELCh color 42, 32.926, 106.910 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, 32.926, 106.910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

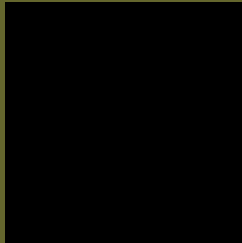
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 32.926, 106.910

Background



This preview shows how black text looks on a background with the CIELCh color 42, 32.926, 106.910.



This preview shows how white text looks on a background with the CIELCh color 42, 32.926, 106.910.

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

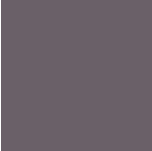
42, 32.926, 106.910

Protanopia

42, 32.472, 95.783

Deuteranopia

42, 30.890, 79.458



Tritanopia
42, 6.387, 331.049

Trichromacy



Original Color
42, 32.926, 106.910

Protanomaly
42, 32.659, 99.273

Deuteranomaly
42, 30.651, 89.921

Tritanomaly
42, 9.411, 92.406

Monochromacy



Original Color
42, 32.926, 106.910

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 12.639, 110.270

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 32.926, 106.910 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, 45)` looks like.

```
.text, #text, p{  
    color:rgb(100, 102, 45)  
}
```

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, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 102, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 32.926, 106.910 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, 45) }
```

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

```
.border{ border-color:rgb(100, 102, 45) }
```

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, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 102, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 102, 45);  
box-shadow:4px 4px 4px 4px rgb(100, 102,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 32.926, 106.910 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, 45) }
```

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

```
.background{ background-color: rgb(100,  
102, 45) }
```

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