

Converting Colors

CIELCh(42, 38.817, 126.577)

Have a look what the booklet for
CIELCh(42, 38.817, 126.577)
contains.

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Color

CIELCh(42, 38.732, 126.294)

Conversions

Conversions Part 1

Format	Color
Hex	4D6C2D
RGB	77, 108, 45
RGB Percent	30%, 42%, 18%
CMY	0.6979, 0.5763, 0.8234
CMYK	0.29, 0.00, 0.58, 0.58
HSL	90°, 41%, 30%
HSV	90°, 58%, 42%
XYZ	8.9028, 12.5000, 4.4290
YIQ	91.5490, 1.7470, -26.1650

Conversions

Conversions Part 2

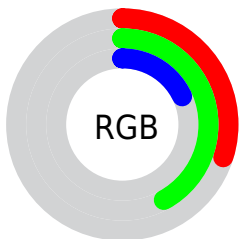
Format	Color
RYB	45, 108, 76
Decimal	5073965
CIELab	42.00, -22.93, 31.22
CIElCh	42, 38.732, 126.294
Yxy	12.5000, 0.3446, 0.4839
Android (android.graphics.Color)	4283264045 (0xFF4D6C2D)
YUV	91.5490, -22.9487, -12.7595
Hunter-Lab	35.3553, -16.9238, 17.3215

Details


The CIELCh color $42, 38.732, 126.294$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $25, 42.134, 311.622$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 38.904, 126.339$, and $22, 37.384, 127.274$ is the 20% darker color. If you saturate the color by 10%, you get $42, 44.468, 126.066$, and if you desaturate by 10%, it is $42, 32.516, 126.659$.

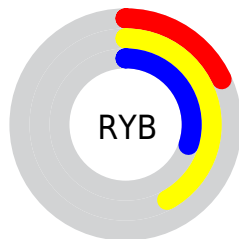
Distribution



 Red (30%)

 Green (42%)

 Blue (18%)




 Red (18%)

 Yellow (42%)

 Blue (30%)

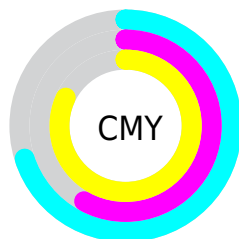



 Cyan (29%)

 Magenta (0%)

 Yellow (58%)

 Black (58%)



 Cyan (70%)

 Magenta (58%)

 Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 38.732, 126.294 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, 38.732, 126.294 by changing the saturation by 10% instead.

 42, 38.732,
126.294

 42, 38.732,
126.294

 100, 38.732,
126.294

 32, 38.732,
126.294

 62, 38.732,
126.294

 22, 38.732,
126.294

 72, 38.732,
126.294

 12, 38.732,
126.294

 82, 38.732,
126.294

 2, 38.732, 126.294

 92, 38.732,
126.294

 0, 38.732, 126.294

 42, 38.732,

 42, 38.732,

126.294

■ 42, 44.468,
126.066

■ 41, 49.490,
126.060

■ 41, 53.536,
126.385

■ 41, 56.813,
126.908

■ 40, 57.379,
126.967

126.294

■ 42, 32.516,
126.659

■ 43, 25.994,
127.091

■ 44, 19.291,
127.551

■ 44, 12.494,
128.010

■ 45, 5.665, 128.458

■ 46, 1.150, 308.795

■ 47, 7.920, 309.233

■ 47, 14.622,
309.588

■ 48, 21.238,

Harmonies

Complementary

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



42, 38.732, 126.294



25, 42.134, 311.622

Rectangle

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



42, 38.732, 126.294



42, 38.732, 176.294



42, 38.732, 306.294



42, 38.732, 356.294

Sweetspot

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



42, 38.733, 126.295



57, 14.363, 128.049



35, 25.502, 66.866



29, 9.682, 127.984



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 38.733, 126.295



53, 55.917, 126.032



40, 44.576, 139.486



22, 3.801, 128.429



44, 60.925, 127.119



87, 105.794, 128.069

Inverse Universe

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



25, 42.134, 311.622



29, 62.139, 312.160



30, 44.302, 326.742



20, 3.849, 309.158



16, 70.128, 312.171



39, 121.424, 311.520

Previews

White Background



This preview shows how the CIELCh color 42, 38.732, 126.294 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, 38.732, 126.294 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, 38.732, 126.294

Background



This preview shows how black text looks on a background with the CIELCh color 42, 38.732, 126.294.



This preview shows how white text looks on a background with the CIELCh color 42, 38.732, 126.294.

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

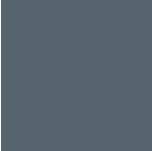
42, 38.732, 126.294

Protanopia

42, 33.501, 95.893

Deuteranopia

42, 30.381, 79.116



Tritanopia
42, 7.436, 239.652

Trichromacy



Original Color
42, 38.732, 126.294

Protanomaly
42, 33.996, 108.323

Deuteranomaly
42, 30.050, 99.153

Tritanomaly
42, 14.044, 147.342

Monochromacy



Original Color
42, 38.732, 126.294

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 14.719, 127.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 38.732, 126.294 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(77, 108, 45)` looks like.

```
.text, #text, p{  
    color:rgb(77, 108, 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(77, 108, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 108, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 38.732, 126.294 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(77, 108, 45) }
```

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

```
.border{ border-color:rgb(77, 108, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 108, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 108, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 108, 45);  
box-shadow:4px 4px 4px 4px rgb(77, 108,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 38.732, 126.294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 108, 45) }
```

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

```
.background{ background-color: rgb(77, 108,  
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](#).

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