

Converting Colors

CIELCh(34, 27.466, 122.038)

Have a look what the booklet for
CIELCh(34, 27.466, 122.038)
contains.

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Color

CIELCh(34, 27.094, 122.096)

Conversions

Conversions Part 1

Format	Color
Hex	45552A
RGB	69, 85, 42
RGB Percent	27%, 33%, 16%
CMY	0.7279, 0.6651, 0.8339
CMYK	0.19, 0.00, 0.50, 0.67
HSL	82°, 34%, 25%
HSV	82°, 50%, 33%
XYZ	6.1859, 8.0082, 3.4446
YIQ	75.3140, 4.2670, -16.7650

Conversions

Conversions Part 2

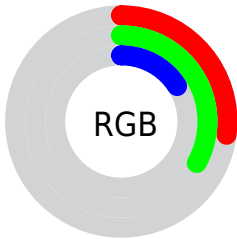
Format	Color
R_{YB}	42, 85, 58
Decimal	4543786
CIE _{Lab}	34.00, -14.40, 22.95
CIE _{LCh}	34, 27.094, 122.096
Yxy	8.0082, 0.3507, 0.4540
Android (android.graphics.Color)	4282733866 (0xFF45552A)
YUV	75.3140, -16.4238, -5.5374
Hunter-Lab	28.2988, -10.5043, 12.5923

Details

The CIELCh color **34, 27.094, 122.096** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **21, 29.624, 307.434**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 27.553, 122.313**, and **14, 24.421, 123.736** is the 20% darker color. If you saturate the color by 10%, you get **34, 32.015, 121.732**, and if you desaturate by 10%, it is **34, 21.918, 122.541**.

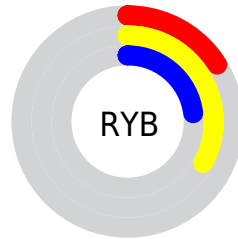
Distribution



Red (27%)

Green (33%)

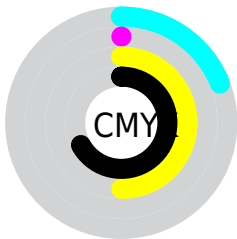
Blue (16%)



Red (16%)

Yellow (33%)

Blue (23%)

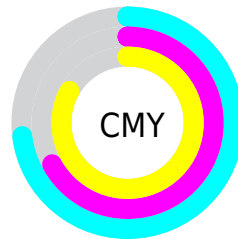


Cyan (19%)

Magenta (0%)

Yellow (50%)

Black (67%)



Cyan (73%)


Magenta (67%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 27.094, 122.096 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 34, 27.094, 122.096 by changing the saturation by 10% instead.

 34, 27.094,
122.096


 34, 27.094,
122.096

 100, 27.094,
122.096

 24, 27.094,
122.096

 54, 27.094,
122.096


 14, 27.094,
122.096


 64, 27.094,
122.096

 4, 27.094, 122.096

 74, 27.094,
122.096

 0, 27.094, 122.096

 84, 27.094,
122.096

 94, 27.094,
122.096

■ 34, 27.094,
122.096

■ 34, 27.094,
122.096

■ 34, 32.015,
121.732

■ 34, 21.918,
122.541

■ 33, 36.544,
121.501

■ 35, 16.583,
123.021

■ 33, 40.500,
121.483

■ 35, 11.156,
123.512

■ 33, 43.707,
121.755

■ 36, 5.687, 124.000

■ 33, 46.730,
121.925

■ 36, 0.207, 124.653

■ 37, 5.257, 304.894

■ 37, 10.688,
305.313

■ 38, 16.073,
305.701

■ 39, 21.401,
306.059

Harmonies

Complementary

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



34, 27.094, 122.096



21, 29.624, 307.434

Rectangle

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



34, 27.094, 122.096



34, 27.094, 172.096



34, 27.094, 302.096



34, 27.094, 352.096

Sweetspot

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



34, 27.095, 122.098



46, 10.286, 123.750



27, 17.625, 55.936



23, 6.941, 123.690



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



34, 27.095, 122.098



44, 39.726, 121.681



33, 31.163, 137.826



17, 3.101, 124.076



41, 54.907, 122.378



85, 98.366, 123.412

Inverse Universe

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



21, 29.624, 307.434



25, 44.564, 308.235



24, 31.473, 322.843



16, 3.148, 304.890



13, 67.271, 309.912



34, 120.539, 309.230

Previews

White Background



This preview shows how the CIELCh color 34, 27.094, 122.096 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 34, 27.094, 122.096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

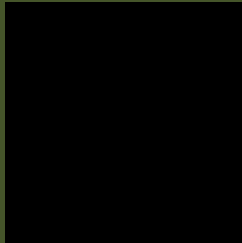
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

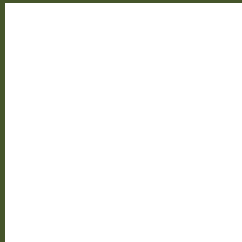
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 34, 27.094, 122.096

Background



This preview shows how black text looks on a background with the CIELCh color 34, 27.094, 122.096.



This preview shows how white text looks on a background with the CIELCh color 34, 27.094, 122.096.

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


34, 27.094, 122.096

Protanopia

34, 24.177, 96.463

Deuteranopia

34, 22.161, 78.358



Tritanopia
34, 4.807, 265.644

Trichromacy



Original Color
34, 27.094, 122.096

Protanomaly
34, 24.878, 106.970

Deuteranomaly
34, 21.918, 95.914

Tritanomaly
34, 7.967, 138.781

Monochromacy



Original Color
34, 27.094, 122.096

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 9.673, 122.112

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 27.094, 122.096 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(69, 85, 42)` looks like.

```
.text, #text, p{  
    color:rgb(69, 85, 42)  
}
```

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(69, 85, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 85, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 27.094, 122.096 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(69, 85, 42) }
```

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

```
.border{ border-color:rgb(69, 85, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 85, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 85, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 85, 42);  
box-shadow:4px 4px 4px 4px rgb(69, 85, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 27.094, 122.096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 85, 42) }
```

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

```
.background{ background-color: rgb(69, 85,  
42) }
```

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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