

Converting Colors

CIELCh(35, 22.009, 122.680)

Have a look what the booklet for
CIELCh(35, 22.009, 122.680)
contains.

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Color

CIELCh(35, 22.170, 122.522)

Conversions

Conversions Part 1

Format	Color
Hex	4A5734
RGB	74, 87, 52
RGB Percent	29%, 34%, 20%
CMY	0.7102, 0.6592, 0.7965
CMYK	0.15, 0.00, 0.40, 0.66
HSL	82°, 25%, 27%
HSV	82°, 40%, 34%
XYZ	6.8335, 8.4984, 4.5175
YIQ	79.1230, 3.4870, -13.6410

Conversions

Conversions Part 2

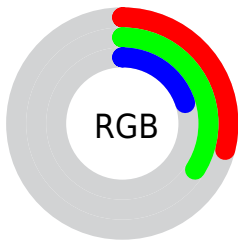
Format	Color
R_{YB}	52, 87, 65
Decimal	4871988
CIE Lab	35.00, -11.92, 18.69
CIE LCh	35, 22.170, 122.522
Yxy	8.4984, 0.3443, 0.4281
Android (android.graphics.Color)	4283062068 (0xFF4A5734)
YUV	79.1230, -13.3716, -4.4929
Hunter-Lab	29.1520, -9.1738, 11.2186

Details


The CIELCh color **35, 22.170, 122.522** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **24, 23.749, 306.739**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 22.328, 122.937**, and **15, 22.443, 122.029** is the 20% darker color. If you saturate the color by 10%, you get **35, 27.422, 122.080**, and if you desaturate by 10%, it is **35, 16.758, 123.006**.

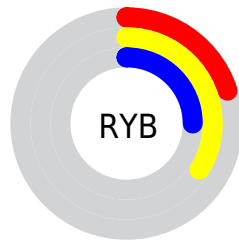
Distribution



 Red (29%)

 Green (34%)

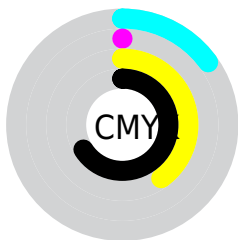
 Blue (20%)




 Red (20%)

 Yellow (34%)

 Blue (25%)

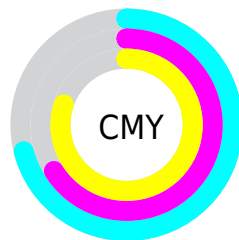



 Cyan (15%)

 Magenta (0%)

 Yellow (40%)

 Black (66%)



 Cyan (71%)


 Magenta (66%)


 Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 22.170, 122.522 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 35, 22.170, 122.522 by changing the saturation by 10% instead.


 35, 22.170,
122.522


 35, 22.170,
122.522

 100, 22.170,
122.522


 25, 22.170,
122.522

 55, 22.170,
122.522


 15, 22.170,
122.522


 65, 22.170,
122.522

 5, 22.170, 122.522

 75, 22.170,
122.522

 0, 22.170, 122.522

 85, 22.170,
122.522

 95, 22.170,
122.522

■ 35, 22.170,
122.522

■ 35, 22.170,
122.522

■ 35, 27.422,
122.080

■ 35, 16.758,
123.006

■ 34, 32.413,
121.713

■ 36, 11.253,
123.499

■ 34, 37.005,
121.482

■ 36, 5.704, 123.987

■ 34, 41.014,
121.465

■ 37, 0.145, 124.727

■ 37, 5.398, 304.884

■ 33, 44.250,
121.745

■ 38, 10.907,
305.304

■ 33, 47.302,
121.944

■ 39, 16.369,
305.692

■ 39, 21.774,
306.051

■ 40, 27.114,
306.381

Harmonies

Complementary

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



35, 22.170, 122.522



24, 23.749, 306.739

Rectangle

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



35, 22.170, 122.522



35, 22.170, 172.522



35, 22.170, 302.522



35, 22.170, 352.522

Sweetspot

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



35, 22.171, 122.524



47, 8.229, 123.885



29, 13.839, 56.615



23, 5.399, 123.854



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



35, 22.171, 122.524



45, 32.354, 122.110



34, 25.478, 138.536



17, 3.101, 124.060



41, 54.899, 122.359



85, 98.351, 123.392

Inverse Universe

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



24, 23.749, 306.739



29, 35.323, 307.371



27, 25.720, 322.471



16, 3.148, 304.873



13, 67.277, 309.904



34, 120.550, 309.223

Previews

White Background



This preview shows how the CIELCh color 35, 22.170, 122.522 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 35, 22.170, 122.522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

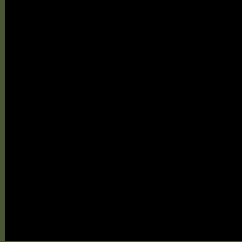
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 22.170, 122.522

Background



This preview shows how black text looks on a background with the CIELCh color 35, 22.170, 122.522.

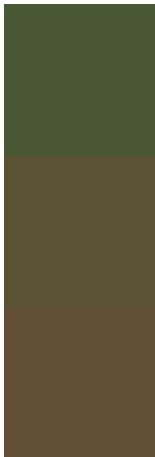


This preview shows how white text looks on a background with the CIELCh color 35, 22.170, 122.522.

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](#).

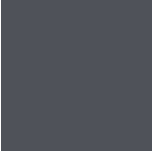
Dichromacy



Original Color
35, 22.170, 122.522

Protanopia
35, 20.056, 95.555

Deuteranopia
35, 18.501, 75.610



Tritanopia
35, 4.520, 275.060

Trichromacy



Original Color
35, 22.170, 122.522

Protanomaly
35, 20.167, 106.721

Deuteranomaly
35, 18.292, 94.874

Tritanomaly
35, 5.862, 140.593

Monochromacy



Original Color
35, 22.170, 122.522

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 8.413, 124.215

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 22.170, 122.522 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(74, 87, 52)` looks like.

```
.text, #text, p{  
    color:rgb(74, 87, 52)  
}
```

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(74, 87, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 87, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 22.170, 122.522 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(74, 87, 52) }
```

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

```
.border{ border-color:rgb(74, 87, 52) }
```

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

Here you see how a box with a 4 pixel rgb(74, 87, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 87, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 87, 52);  
box-shadow:4px 4px 4px 4px rgb(74, 87, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 22.170, 122.522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 87, 52) }
```

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

```
.background{ background-color: rgb(74, 87,  
52) }
```

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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