

Converting Colors

CIELCh(35, 13.081, 123.083)

Have a look what the booklet for
CIELCh(35, 13.081, 123.083)
contains.

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Color

CIELCh(35, 12.764, 122.514)

Conversions

Conversions Part 1

Format	Color
Hex	4E5541
RGB	78, 85, 65
RGB Percent	31%, 33%, 25%
CMY	0.6941, 0.6667, 0.7451
CMYK	0.08, 0.00, 0.24, 0.67
HSL	81°, 13%, 29%
HSV	81°, 24%, 33%
XYZ	7.3445, 8.4984, 6.2543
YIQ	80.6270, 2.2480, -7.7040

Conversions

Conversions Part 2

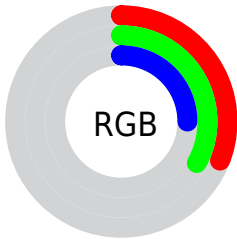
Format	Color
RYB	65, 85, 72
Decimal	5133633
CIELab	35.00, -6.86, 10.76
CIELCh	35, 12.764, 122.514
Yxy	8.4984, 0.3324, 0.3846
Android (android.graphics.Color)	4283323713 (0xFF4E5541)
YUV	80.6270, -7.7041, -2.3039
Hunter-Lab	29.1520, -6.0448, 7.6863

Details

The CIELCh color $[35, 12.764, 122.514]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[29, 13.273, 304.935]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[55, 12.985, 123.353]$, and $[15, 12.985, 123.273]$ is the 20% darker color. If you saturate the color by 10%, you get $[35, 18.122, 122.014]$, and if you desaturate by 10%, it is $[35, 7.350, 123.020]$.

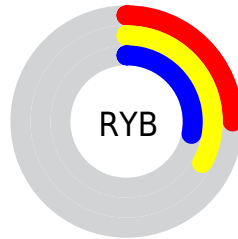
Distribution



Red (31%)

Green (33%)

Blue (25%)



Red (25%)

Yellow (33%)

Blue (28%)

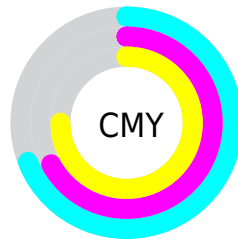


Cyan (8%)

Magenta (0%)

Yellow (24%)

Black (67%)



Cyan (69%)


Magenta (67%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 12.764, 122.514 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, 12.764, 122.514 by changing the saturation by 10% instead.


 35, 12.764,
122.514


 35, 12.764,
122.514

 100, 12.764,
122.514


 25, 12.764,
122.514

 55, 12.764,
122.514


 15, 12.764,
122.514


 65, 12.764,
122.514

 5, 12.764, 122.514

 75, 12.764,
122.514

 0, 12.764, 122.514

 85, 12.764,
122.514

 95, 12.764,
122.514

■ 35, 12.764,
122.514

■ 35, 12.764,
122.514

■ 35, 18.122,
122.014

■ 35, 7.350, 123.020

■ 34, 23.368,
121.531

■ 36, 1.914, 123.521

■ 34, 28.427,
121.096

■ 36, 3.517, 303.957

■ 33, 33.193,
120.755

■ 38, 14.288,
304.816

■ 33, 37.516,
120.570

■ 38, 19.605,
305.199

■ 33, 41.205,
120.622

■ 39, 24.863,
305.554

■ 33, 44.234,
120.910

■ 40, 30.057,
305.880

■ 33, 46.281,

■ 40, 35.183,

120.986

306.180

Harmonies

Complementary

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



35, 12.764, 122.514



29, 13.273, 304.935

Rectangle

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



35, 12.764, 122.514



35, 12.764, 172.514



35, 12.764, 302.514



35, 12.764, 352.514

Sweetspot

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



35, 12.765, 122.517



46, 4.689, 123.333



32, 7.521, 55.943



23, 3.072, 123.322



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, 12.765, 122.517



45, 18.710, 122.245



34, 14.587, 139.147



17, 3.089, 123.255



41, 54.541, 121.437



85, 97.654, 122.446

Inverse Universe

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



29, 13.273, 304.935



36, 19.645, 305.273



30, 14.695, 321.273



16, 3.137, 304.098



12, 67.553, 309.548



34, 121.047, 308.887

Previews

White Background



This preview shows how the CIELCh color 35, 12.764, 122.514 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, 12.764, 122.514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

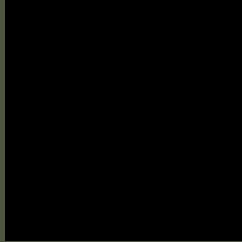
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 12.764, 122.514

Background



This preview shows how black text looks on a background with the CIELCh color 35, 12.764, 122.514.

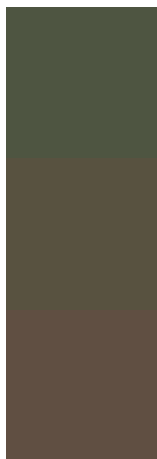


This preview shows how white text looks on a background with the CIELCh color 35, 12.764, 122.514.

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, 12.764, 122.514

Protanopia

35, 11.506, 94.194

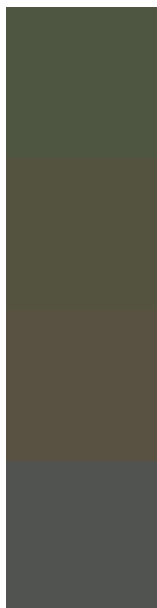
Deuteranopia

35, 11.439, 64.655



Tritanopia
35, 3.763, 284.471

Trichromacy



Original Color
35, 12.764, 122.514

Protanomaly
35, 11.760, 105.908

Deuteranomaly
35, 10.045, 86.892

Tritanomaly
35, 2.281, 144.318

Monochromacy



Original Color
35, 12.764, 122.514

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 4.454, 120.818

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 12.764, 122.514 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(78, 85, 65)` looks like.

```
.text, #text, p{  
    color:rgb(78, 85, 65)  
}
```

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(78, 85, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 85, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 12.764, 122.514 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(78, 85, 65) }
```

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

```
.border{ border-color:rgb(78, 85, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 85, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 85, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 85, 65);  
box-shadow:4px 4px 4px 4px rgb(78, 85, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 12.764, 122.514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 85, 65) }
```

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

```
.background{ background-color: rgb(78, 85,  
65) }
```

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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