

Converting Colors

CIELCh(33, 14.139, 350.357)

Have a look what the booklet for
CIELCh(33, 14.139, 350.357)
contains.

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Color

CIELCh(33, 14.310, 350.304)

Conversions

Conversions Part 1

Format	Color
Hex	624652
RGB	98, 70, 82
RGB Percent	38%, 27%, 32%
CMY	0.6167, 0.7264, 0.6794
CMYK	0.00, 0.29, 0.16, 0.62
HSL	334°, 17%, 33%
HSV	334°, 29%, 38%
XYZ	8.6973, 7.5373, 8.9294
YIQ	79.7400, 12.8360, 9.6680

Conversions

Conversions Part 2

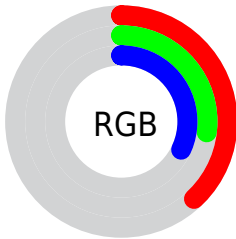
Format	Color
R_{YB}	98, 70, 82
Decimal	6440530
CIE _{Lab}	33.00, 14.11, -2.41
CIE _{LCh}	33, 14.310, 350.304
Yxy	7.5373, 0.3456, 0.2995
Android (android.graphics.Color)	4284630610 (0xFF624652)
YUV	79.7400, 1.1142, 16.0140
Hunter-Lab	27.4541, 8.5031, -0.0661

Details

The CIELCh color $33, 14.310, 350.304$ is a dark color, and the websafe version is hex 663333 . A complement of this color would be $39, 13.660, 165.160$, and the grayscale version is $34, 0.005, 296.813$.

A 20% lighter version of the original color is $53, 13.896, 351.286$, and $13, 14.395, 351.448$ is the 20% darker color. If you saturate the color by 10%, you get $30, 19.401, 351.478$, and if you desaturate by 10%, it is $36, 9.221, 349.275$.

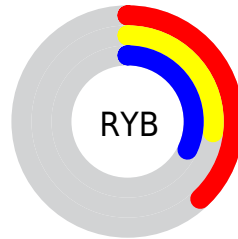
Distribution



Red (38%)

Green (27%)

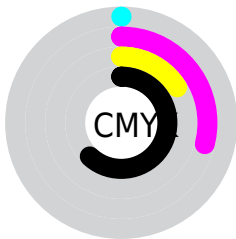
Blue (32%)



Red (38%)

Yellow (27%)

Blue (32%)

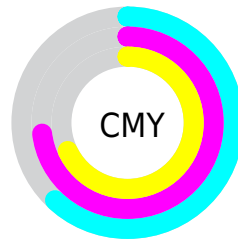


Cyan (0%)

Magenta (29%)

Yellow (16%)

Black (62%)



Cyan (62%)


Magenta (73%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 14.310, 350.304 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 33, 14.310, 350.304 by changing the saturation by 10% instead.


 33, 14.310,
350.304


 33, 14.310,
350.304

 100, 14.310,
350.304


 23, 14.310,
350.304

 53, 14.310,
350.304


 13, 14.310,
350.304


 63, 14.310,
350.304

 3, 14.310, 350.304

 73, 14.310,
350.304

 0, 14.310, 350.304

 83, 14.310,
350.304

 93, 14.310,
350.304

■ 33, 14.310,
350.304

■ 33, 14.310,
350.304

■ 30, 19.401,
351.478

■ 36, 9.221, 349.275

■ 28, 24.377,
352.839

■ 39, 4.217, 348.336

■ 25, 29.068,
354.455

■ 42, 0.655, 167.973

■ 23, 33.265,
356.415

■ 48, 9.920, 166.190

■ 22, 36.745,
358.836

■ 51, 14.303,
165.560

■ 20, 39.329, 1.861

■ 54, 18.526,
164.980

■ 19, 41.490, 5.180

■ 57, 22.598,
164.444

■ 19, 41.817, 5.609

■ 60, 26.529,
163.945

Harmonies

Complementary

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



33, 14.310, 350.304



39, 13.660, 165.160

Rectangle

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



33, 14.310, 350.304



33, 14.310, 40.304



33, 14.310, 170.304



33, 14.310, 220.304

Sweetspot

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



33, 14.309, 350.306



50, 5.477, 348.395



32, 18.890, 312.561



25, 3.778, 348.491



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



33, 14.309, 350.306



41, 21.224, 351.037



33, 12.156, 26.757



18, 2.722, 348.358



23, 46.083, 6.465



51, 80.705, 9.801

Inverse Universe

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



33, 14.309, 350.306



41, 21.224, 351.037



39, 10.095, 204.726



18, 2.722, 348.358



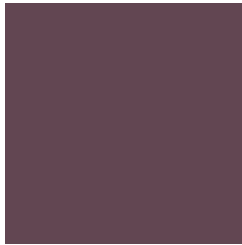
23, 46.083, 6.465



51, 80.705, 9.801

Previews

White Background



This preview shows how the CIELCh color 33, 14.310, 350.304 looks on a white background.

Color Contrast Check

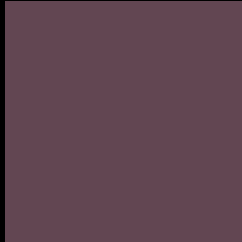
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 33, 14.310, 350.304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

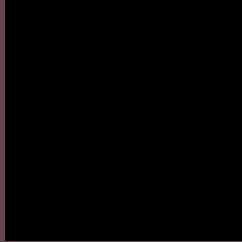
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 14.310, 350.304

Background



This preview shows how black text looks on a background with the CIELCh color 33, 14.310, 350.304.

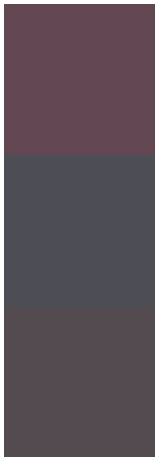


This preview shows how white text looks on a background with the CIELCh color 33, 14.310, 350.304.

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


33, 14.310, 350.304

Protanopia

33, 5.677, 291.172

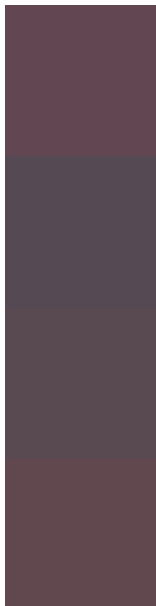
Deuteranopia

33, 5.446, 336.322



Tritanopia
33, 12.054, 6.474

Trichromacy



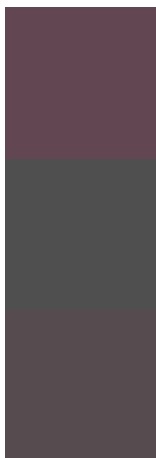
Original Color
33, 14.310, 350.304

Protanomaly
33, 7.896, 327.659

Deuteranomaly
33, 8.601, 345.059

Tritanomaly
33, 12.334, 0.789

Monochromacy



Original Color
33, 14.310, 350.304

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 5.042, 350.342

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 14.310, 350.304 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(98, 70, 82)` looks like.

```
.text, #text, p{  
    color:rgb(98, 70, 82)  
}
```

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(98, 70, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 70, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 14.310, 350.304 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(98, 70, 82) }
```

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

```
.border{ border-color:rgb(98, 70, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 70, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 70, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 70, 82);  
box-shadow:4px 4px 4px 4px rgb(98, 70, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 14.310, 350.304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 70, 82) }
```

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

```
.background{ background-color: rgb(98, 70,  
82) }
```

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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