

Converting Colors

XYZ(33.7575, 34.2012, 21.2848)

Have a look what the booklet for
XYZ(33.7575, 34.2012, 21.2848)
contains.

XYZ(33.7640, 34.1959, 21.3439)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.7640, 34.1959,
21.3439)**

Conversions

Conversions Part 1

Format	Color
Hex	B59A74
RGB	181, 154, 116
RGB Percent	71%, 60%, 45%
CMY	0.2902, 0.3961, 0.5451
CMYK	0.00, 0.15, 0.36, 0.29
HSL	35°, 31%, 58%
HSV	35°, 36%, 71%
XYZ	33.7640, 34.1959, 21.3439
YIQ	157.7410, 28.2900, -6.0940

Conversions

Conversions Part 2

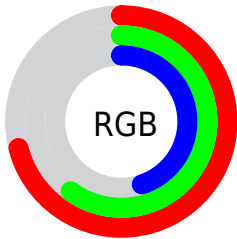
Format	Color
RYB	162, 181, 116
Decimal	11901556
CIELab	65.12, 4.47, 23.68
CIELCh	65, 24.095, 79.315
Yxy	34.1959, 0.3781, 0.3829
Android (android.graphics.Color)	4290091636 (0xFFB59A74)
YUV	157.7410, -20.5783, 20.3981
Hunter-Lab	58.4773, 0.7283, 19.2935

Details

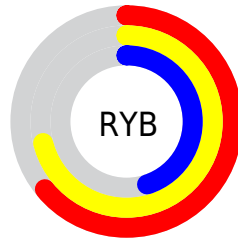
The XYZ color **33.7640, 34.1959, 21.3439** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.3651, 26.6932, 47.5314**, and the grayscale version is **32.4640, 34.1547, 37.1944**.

A 20% lighter version of the original color is **64.8837, 66.1160, 46.3877**, and **14.6158, 14.6178, 7.3614** is the 20% darker color. If you saturate the color by 10%, you get **31.6102, 31.4121, 15.9280**, and if you desaturate by 10%, it is **36.2025, 37.2204, 27.8675**.

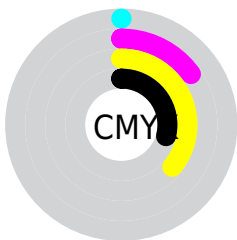
Distribution



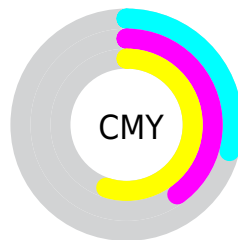
- Red (71%)
- Green (60%)
- Blue (45%)



- Red (64%)
- Yellow (71%)
- Blue (45%)



- Cyan (0%)
- Magenta (15%)
- Yellow (36%)
- Black (29%)





- Cyan (29%)
- Magenta (40%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7640, 34.1959, 21.3439 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 XYZ color 33.7640, 34.1959, 21.3439 by changing the saturation by 10% instead.


 33.7640, 34.1959,
21.3439


 33.7640, 34.1959,
21.3439


310.6829,
321.0047, 271.9414


 22.8744, 23.0441,
13.1819


 64.9132, 66.2382,
46.5474

 14.6210, 14.6261,
7.4217


 85.9036, 87.8975,
64.4260

 8.6384, 8.5574,
3.6448


 110.9915,
113.8281, 86.3805

 4.5613, 4.4536,
1.4326

140.5424,
144.4145, 112.8295

 2.0243, 1.9304,
0.1669

174.9217,
180.0409, 144.1916

 0.6476, 0.5666,
0.0000

214.4946,

 0.0000, 0.0000,

221.0918, 180.8852

0.0000

259.6266,
267.9516, 223.3290

■ 33.7640, 34.1959,
21.3439

■ 33.7640, 34.1959,
21.3439

■ 31.6102, 31.4121,
15.9280

■ 36.2025, 37.2204,
27.8675

■ 29.7250, 28.8566,
11.5542

■ 38.9353, 40.4879,
35.5551

■ 28.0946, 26.5228,
8.1533

■ 41.9750, 44.0068,
44.4617

■ 26.7028, 24.4018,
5.6464

■ 45.3323, 47.7836,
54.6380

■ 25.5307, 22.4836,
3.9425

■ 49.0176, 51.8243,
66.1319

■ 24.5547, 20.7561,
2.9247

■ 53.0407, 56.1350,
78.9889

■ 24.1922, 20.0962,
2.6039

■ 57.4108, 60.7212,
93.2522

■ 61.1888, 65.2093,
103.9694

■ 63.1371, 69.1060,
104.6188

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.0823, 34.1959, 24.4641



33.7640, 34.1959, 21.3439



30.3299, 34.1959, 21.8653

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.7640, 34.1959, 21.3439



26.5644, 34.1959, 43.9684



37.8685, 34.1959, 51.2404

Complementary

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



33.7640, 34.1959, 21.3439



25.3651, 26.6932, 47.5314

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



34.7758, 34.1959, 58.5071



33.7640, 34.1959, 21.3439



28.3156, 34.1959, 53.8159

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.7640, 34.1959, 21.3439



26.3363, 34.1959, 33.7783



31.2722, 34.1959, 59.5260



39.5624, 34.1959, 40.9167

Rectangle

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



33.7640, 34.1959, 21.3439



28.4280, 34.1959, 24.2412



31.2722, 34.1959, 59.5260



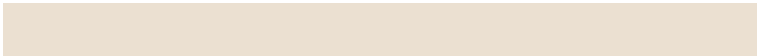
36.9481, 34.1959, 54.1948

Sweetspot

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



33.7649, 34.1975, 21.3446



72.2362, 75.4355, 70.9412



30.2659, 24.3006, 29.1153



15.4581, 16.1247, 14.8813



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.7649, 34.1975, 21.3446



57.4172, 57.3166, 30.4897



37.4867, 43.4903, 22.9421



8.8953, 9.3031, 8.9794



16.7473, 13.9932, 1.8183



0.5829, 0.5522, 0.0759

Inverse Universe

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



25.3651, 26.6932, 47.5314



40.1756, 41.9219, 84.2689



22.5299, 19.9225, 46.3740



8.3223, 8.7907, 10.7645



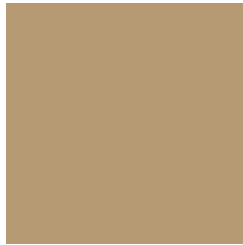
7.5575, 5.9155, 30.8805



0.2959, 0.3024, 0.9910

Previews

White Background



This preview shows how the XYZ color 33.7640, 34.1959, 21.3439 looks on a white 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

Black Background



This preview shows how the XYZ color 33.7640, 34.1959, 21.3439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

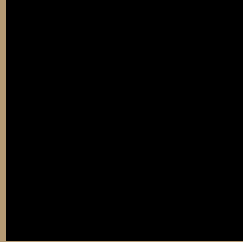
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7640, 34.1959, 21.3439

Background



This preview shows how black text looks on a background with the XYZ color 33.7640, 34.1959, 21.3439.



This preview shows how white text looks on a background with the XYZ color 33.7640, 34.1959,

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

33.7640, 34.1959, 21.3439

Protanopia

32.0744, 34.3078, 22.0711

Deuteranopia

34.8741, 34.2822, 21.3021



Tritanopia

37.1848, 34.1570, 37.8908

Trichromacy



Original Color

33.7640, 34.1959, 21.3439

Protanomaly

32.7234, 34.3970, 21.7442

Deuteranomaly

34.5512, 34.3577, 21.3337

Tritanomaly

35.7076, 34.0167, 31.0694

Monochromacy



Original Color

33.7640, 34.1959, 21.3439

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.7408, 34.2041, 30.8630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7640, 34.1959, 21.3439 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(181, 154, 116)` looks like.

```
.text, #text, p{  
    color:rgb(181, 154, 116)  
}
```

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(181, 154, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 154, 116) }
```

Border

The CSS property to change the border of an element to XYZ 33.7640, 34.1959, 21.3439 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(181, 154, 116) }
```


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

```
.border{ border-color:rgb(181, 154, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 154, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 154, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 154, 116);  
box-shadow:4px 4px 4px 4px rgb(181, 154,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7640, 34.1959, 21.3439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 154, 116) }
```

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

```
.background{ background-color: rgb(181,  
154, 116) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor