

Converting Colors

XYZ(33.6234, 33.4824, 41.8714)

Have a look what the booklet for
XYZ(33.6234, 33.4824, 41.8714)
contains.

| | |
|--|----|
| XYZ(33.5634, 33.3961, 41.7229) | 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(33.5634, 33.3961,
41.7229)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | A399A8 |
| RGB | 163, 153, 168 |
| RGB Percent | 64%, 60%, 66% |
| CMY | 0.3608, 0.4000, 0.3412 |
| CMYK | 0.03, 0.09, 0.00, 0.34 |
| HSL | 280°, 8%, 63% |
| HSV | 280°, 9%, 66% |
| XYZ | 33.5634, 33.3961, 41.7229 |
| YIQ | 157.7000, 1.1450, 6.7850 |

Conversions

Conversions Part 2

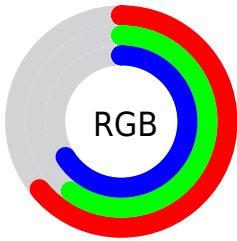
| Format | Color |
|-------------------------------------|-----------------------------|
| RYB | 163, 153, 168 |
| Decimal | 10721704 |
| CIELab | 64.48, 6.51, -6.51 |
| CIELCh | 64, 9.207, 315.018 |
| Yxy | 33.3961, 0.3088, 0.3073 |
| Android (android.graphics.Color) | 4288911784 (0xFFA399A8) |
| YUV | 157.7000, 5.0779, 4.6481 |
| Hunter-Lab | 57.7894, 2.5394, -2.3538 |

Details

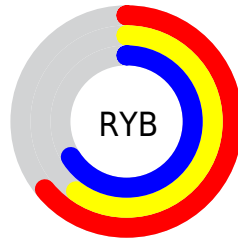
The XYZ color **33.5634, 33.3961, 41.7229** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.8540, 37.5751, 35.6070**, and the grayscale version is **32.3417, 34.0260, 37.0543**.

A 20% lighter version of the original color is **64.5455, 64.8588, 78.9291**, and **14.4593, 14.1432, 18.4908** is the 20% darker color. If you saturate the color by 10%, you get **29.8839, 27.7014, 40.8181**, and if you desaturate by 10%, it is **37.6828, 39.8942, 42.7605**.

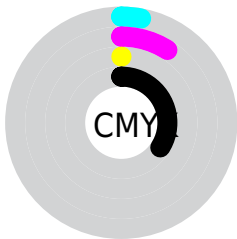
Distribution



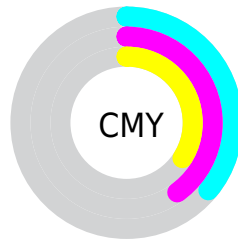
- Red (64%)
- Green (60%)
- Blue (66%)



- Red (64%)
- Yellow (60%)
- Blue (66%)



- Cyan (3%)
- Magenta (9%)
- Yellow (0%)
- Black (34%)



- Cyan (36%)
- Magenta (40%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5634, 33.3961, 41.7229 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 33.5634, 33.3961, 41.7229 by changing the saturation by 10% instead.

■ 33.5634, 33.3961,
41.7229

■ 33.5634, 33.3961,
41.7229

309.8011,
317.4308, 369.0987

■ 22.7197, 22.4301,
28.5604

■ 64.6030, 64.9934,
79.0456

■ 14.5062, 14.1732,
18.5058

■ 85.5295, 86.3935,
104.0430

■ 8.5576, 8.2413,
11.1406

110.5477,
112.0404, 133.8223

■ 4.5086, 4.2497,
6.0461

140.0230,
142.3185, 168.8023

■ 1.9937, 1.8142,
2.8039

174.3206,
177.6122, 209.4014

■ 0.6304, 0.4960,
0.9954

213.8059,

■ 0.0000, 0.0000,

218.3059, 256.0381

0.0000

258.8443,
264.7840, 309.1310

■ 33.5634, 33.3961,
41.7229

■ 33.5634, 33.3961,
41.7229

■ 29.8839, 27.7014,
40.8181

■ 37.6828, 39.8942,
42.7605

■ 26.6245, 22.7733,
40.0387

■ 42.2550, 47.2219,
43.9340

■ 23.7686, 18.5783,
39.3795

■ 47.2959, 55.4097,
45.2487

■ 21.2967, 15.0791,
38.8344

■ 52.8198, 64.4853,
46.7093

■ 19.1879, 12.2347,
38.3965

■ 58.8401, 74.4748,
48.3202

■ 17.4191, 9.9998,
38.0584

■ 65.3701, 85.4035,
50.0855

■ 15.9640, 8.3232,
37.8114

■ 67.2405, 86.9323,
50.2820

■ 14.7924, 7.1451,
37.6458

■ 68.7856, 87.7288,
50.3543

■ 13.8460, 6.3504,
37.5423

■ 70.3863, 88.5540,
50.4292

Harmonies

Analogous

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



32.4014, 33.3961, 43.8111



33.5634, 33.3961, 41.7229



34.2465, 33.3961, 38.2661

Triad

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



33.5634, 33.3961, 41.7229



32.3998, 33.3961, 29.8092



29.3630, 33.3961, 38.2706

Complementary

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



33.5634, 33.3961, 41.7229



33.8540, 37.5751, 35.6070

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.



29.3626, 33.3961, 34.5234



33.5634, 33.3961, 41.7229



31.0916, 33.3961, 29.8103

Square

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



33.5634, 33.3961, 41.7229



33.5623, 33.3961, 31.4795



29.9877, 33.3961, 31.4824



29.9888, 33.3961, 41.7264

Rectangle

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



33.5634, 33.3961, 41.7229



34.3268, 33.3961, 35.7333



29.9877, 33.3961, 31.4824



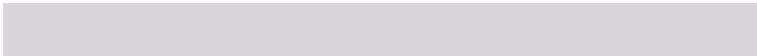
29.2903, 33.3961, 36.9994

Sweetspot

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



33.5644, 33.3975, 41.7236



65.1969, 67.3466, 76.7880



32.4755, 34.1399, 41.9243



14.0812, 14.4751, 16.7040



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



33.5644, 33.3975, 41.7236



59.3186, 58.1270, 75.3183



34.4006, 33.8526, 40.6781



7.5953, 7.5395, 9.4733



10.4390, 4.7649, 28.3450



0.3048, 0.1421, 0.6920

Inverse Universe

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



33.7123, 33.5773, 37.0534



59.6641, 58.5384, 64.7910



33.0781, 37.1534, 36.5499



7.6304, 7.5820, 8.3710



12.7555, 6.5109, 3.5238



0.3340, 0.1679, 0.2101

Previews

White Background



This preview shows how the XYZ color 33.5634, 33.3961, 41.7229 looks on a white background.

Color Contrast Check

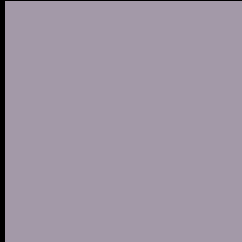
Large Text (above 18pt) WCAG AA × Fail

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 33.5634, 33.3961, 41.7229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

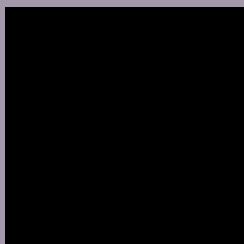
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5634, 33.3961, 41.7229

Background



This preview shows how black text looks on a background with the XYZ color 33.5634, 33.3961, 41.7229.



This preview shows how white text looks on a background with the XYZ color 33.5634, 33.3961,

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

33.5634, 33.3961, 41.7229

Protanopia

32.4003, 33.2758, 42.2513

Deuteranopia

34.0220, 33.3906, 41.6977



Tritanopia

33.2870, 33.2856, 40.2677

Trichromacy



Original Color

33.5634, 33.3961, 41.7229

Protanomaly

32.8176, 33.2449, 42.2233

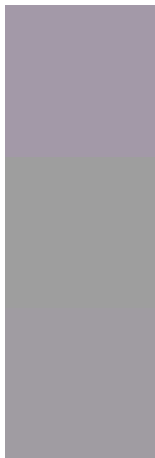
Deuteranomaly

33.8132, 33.2830, 41.6879

Tritanomaly

33.3784, 33.3222, 40.7490

Monochromacy



Original Color

33.5634, 33.3961, 41.7229

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.9073, 33.8592, 38.9835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5634, 33.3961, 41.7229 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(163, 153, 168)` looks like.

```
.text, #text, p{  
    color:rgb(163, 153, 168)  
}
```

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(163, 153, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 153, 168) }
```

Border

The CSS property to change the border of an element to XYZ 33.5634, 33.3961, 41.7229 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(163, 153, 168) }
```


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

```
.border{ border-color:rgb(163, 153, 168) }
```

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

Here you see how a box with a 4 pixel rgb(163, 153, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 153, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 153, 168);  
box-shadow:4px 4px 4px 4px rgb(163, 153,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5634, 33.3961, 41.7229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 153, 168) }
```

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

```
.background{ background-color: rgb(163,  
153, 168) }
```

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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