

Converting Colors

XYZ(38.4831, 41.4989, 32.9976)

Have a look what the booklet for
XYZ(38.4831, 41.4989, 32.9976)
contains.

XYZ(38.4920, 41.4274, 33.1617)	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(38.4920, 41.4274,
33.1617)**

Conversions

Conversions Part 1

Format	Color
Hex	B2AD92
RGB	178, 173, 146
RGB Percent	70%, 68%, 57%
CMY	0.3020, 0.3216, 0.4274
CMYK	0.00, 0.03, 0.18, 0.30
HSL	51°, 17%, 64%
HSV	51°, 18%, 70%
XYZ	38.4920, 41.4274, 33.1617
YIQ	171.4170, 11.6470, -7.3370

Conversions

Conversions Part 2

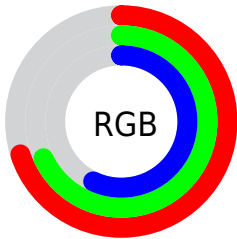
Format	Color
RYB	152, 178, 146
Decimal	11709842
CIELab	70.47, -2.81, 14.53
CIELCh	70, 14.801, 100.940
Yxy	41.4274, 0.3404, 0.3664
Android (android.graphics.Color)	4289899922 (0xFFB2AD92)
YUV	171.4170, -12.5306, 5.7733
Hunter-Lab	64.3641, -5.8880, 14.5075

Details

The XYZ color **38.4920, 41.4274, 33.1617** is a light color, and the websafe version is hex **999966**. A complement of this color would be **30.9566, 31.4581, 46.5603**, and the grayscale version is **38.9763, 41.0061, 44.6557**.

A 20% lighter version of the original color is **72.1004, 77.1494, 65.7348**, and **17.3604, 18.8609, 13.5520** is the 20% darker color. If you saturate the color by 10%, you get **36.6868, 39.8628, 26.2523**, and if you desaturate by 10%, it is **40.5262, 43.1041, 41.2121**.

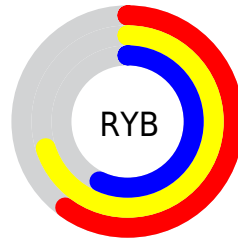
Distribution



Red (70%)

Green (68%)

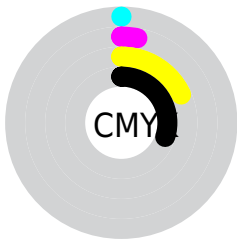
Blue (57%)



Red (60%)

Yellow (70%)

Blue (57%)

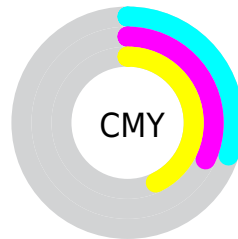


Cyan (0%)

Magenta (3%)

Yellow (18%)

Black (30%)



Cyan (30%)

Magenta (32%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4920, 41.4274, 33.1617 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 38.4920, 41.4274, 33.1617 by changing the saturation by 10% instead.

■ 38.4920, 41.4274,
33.1617

■ 38.4920, 41.4274,
33.1617

330.9703,
352.1038, 331.0321

■ 26.5437, 28.6532,
21.9782

■ 72.1607, 77.3323,
65.7468

■ 17.3656, 18.8186,
13.6427

■ 94.6118, 101.2317,
87.9855

■ 10.5924, 11.5393,
7.7367

121.2945,
129.6084, 114.7464

■ 5.8588, 6.4308,
3.8416

152.5742,
162.8467, 146.4480

■ 2.7992, 3.1088,
1.5388

188.8163,
201.3310, 183.5088

■ 1.0485, 1.1888,
0.2466

230.3861,

■ 0.0000, 0.0525,

245.4457, 226.3474

0.0000

277.6490,
295.5751, 275.3823

■ 0.0000, 0.0000,
0.0000

■ 38.4920, 41.4274,
33.1617

■ 38.4920, 41.4274,
33.1617

■ 36.6868, 39.8628,
26.2523

■ 40.5262, 43.1041,
41.2121

■ 35.0972, 38.4006,
20.4289

■ 42.7953, 44.8913,
50.4498

■ 33.7135, 37.0384,
15.6358

■ 45.3094, 46.7944,
60.9219

■ 32.5239, 35.7712,
11.8113

■ 48.0767, 48.8169,
72.6720

■ 31.5155, 34.5938,
8.8873

■ 51.1053, 50.9620,
85.7418

■ 30.6734, 33.5001,
6.7865

■ 54.4027, 53.2329,
100.1708

■ 29.9807, 32.4833,
5.4189

■ 55.3610, 54.5866,
102.2262

■ 29.4096, 31.5321,
4.6397

■ 55.9790, 55.8225,
102.4322

■ 29.2997, 31.3440,
4.5057

■ 56.6086, 57.0817,
102.6420

Harmonies

Analogous

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



40.9272, 41.4274, 33.5644



38.4920, 41.4274, 33.1617



36.3812, 41.4274, 35.7016

Triad

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



38.4920, 41.4274, 33.1617



35.9374, 41.4274, 54.4950



43.9775, 41.4274, 49.6380

Complementary

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



38.4920, 41.4274, 33.1617



30.9566, 31.4581, 46.5603

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.



42.5298, 41.4274, 56.0351



38.4920, 41.4274, 33.1617



37.8635, 41.4274, 59.0332

Square

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



38.4920, 41.4274, 33.1617



34.9473, 41.4274, 47.7052



40.2724, 41.4274, 59.6242



44.1628, 41.4274, 42.6057

Rectangle

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



38.4920, 41.4274, 33.1617



35.4160, 41.4274, 38.8919



40.2724, 41.4274, 59.6242



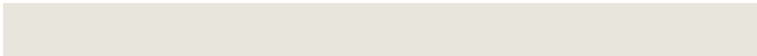
43.6196, 41.4274, 51.9521

Sweetspot

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



38.4931, 41.4292, 33.1626



74.6358, 79.0816, 79.3519



34.2525, 32.2686, 33.8440



16.4739, 17.4714, 17.3308



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.



38.4931, 41.4292, 33.1626



68.3122, 73.8540, 54.3703



37.1161, 42.1684, 33.3778



9.0818, 9.6761, 9.0415



21.0016, 22.5019, 3.2364



0.6911, 0.7687, 0.1119

Inverse Universe

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



30.9566, 31.4581, 46.5603



51.8196, 52.0351, 83.6938



32.1550, 30.9074, 46.3909



8.1456, 8.4374, 10.7056



6.0741, 2.9486, 30.3860



0.2241, 0.1588, 0.9671

Previews

White Background



This preview shows how the XYZ color 38.4920, 41.4274, 33.1617 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 38.4920, 41.4274, 33.1617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

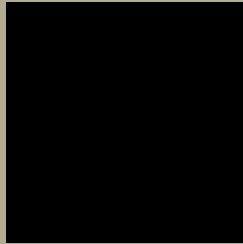
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4920, 41.4274, 33.1617

Background



This preview shows how black text looks on a background with the XYZ color 38.4920, 41.4274, 33.1617.



This preview shows how white text looks on a background with the XYZ color 38.4920, 41.4274,

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

38.4920, 41.4274, 33.1617

Protanopia

38.9194, 41.3731, 32.7226

Deuteranopia

42.1914, 41.3848, 33.3681



Tritanopia

41.8716, 41.4087, 49.5019

Trichromacy



Original Color

38.4920, 41.4274, 33.1617

Protanomaly

38.6857, 41.2527, 32.7117

Deuteranomaly

40.9403, 41.5589, 33.4676

Tritanomaly

40.4987, 41.4004, 42.9023

Monochromacy



Original Color

38.4920, 41.4274, 33.1617

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.7297, 41.1124, 40.0766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4920, 41.4274, 33.1617 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(178, 173, 146)` looks like.

```
.text, #text, p{  
    color:rgb(178, 173, 146)  
}
```

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(178, 173, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 173, 146) }
```

Border

The CSS property to change the border of an element to XYZ 38.4920, 41.4274, 33.1617 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(178, 173, 146) }
```


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

```
.border{ border-color:rgb(178, 173, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 173, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 173, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 173, 146);  
box-shadow:4px 4px 4px 4px rgb(178, 173,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4920, 41.4274, 33.1617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 173, 146) }
```

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

```
.background{ background-color: rgb(178,  
173, 146) }
```

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