

Converting Colors

XYZ(38.6538, 41.9086, 33.4272)

Have a look what the booklet for
XYZ(38.6538, 41.9086, 33.4272)
contains.

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Color

**XYZ(38.4558, 41.6945,
33.2151)**

Conversions

Conversions Part 1

Format	Color
Hex	B1AE92
RGB	177, 174, 146
RGB Percent	69%, 68%, 57%
CMY	0.3059, 0.3176, 0.4274
CMYK	0.00, 0.02, 0.18, 0.31
HSL	54°, 17%, 63%
HSV	54°, 18%, 69%
XYZ	38.4558, 41.6945, 33.2151
YIQ	171.7050, 10.7760, -8.0720

Conversions

Conversions Part 2

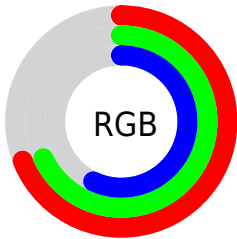
Format	Color
RYB	149, 177, 146
Decimal	11644562
CIELab	70.66, -3.72, 14.78
CIELCh	71, 15.241, 104.144
Yxy	41.6945, 0.3392, 0.3678
Android (android.graphics.Color)	4289834642 (0xFFB1AE92)
YUV	171.7050, -12.6726, 4.6437
Hunter-Lab	64.5713, -6.6930, 14.7015

Details

The XYZ color **38.4558, 41.6945, 33.2151** is a light color, and the websafe version is hex **999966**. A complement of this color would be **30.5372, 30.7796, 45.9268**, and the grayscale version is **39.1226, 41.1601, 44.8233**.

A 20% lighter version of the original color is **72.0489, 77.5324, 65.8114**, and **17.3373, 19.0304, 13.5859** is the 20% darker color. If you saturate the color by 10%, you get **36.8562, 40.5306, 26.4069**, and if you desaturate by 10%, it is **40.2750, 42.9558, 41.1493**.

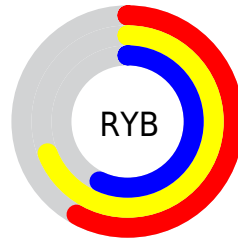
Distribution



Red (69%)

Green (68%)

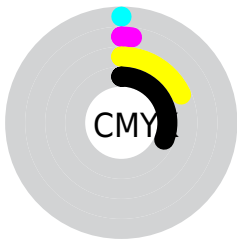
Blue (57%)



Red (58%)

Yellow (69%)

Blue (57%)

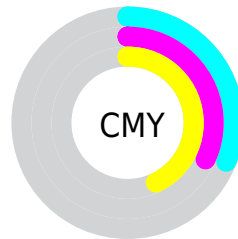


Cyan (0%)

Magenta (2%)

Yellow (18%)

Black (31%)



Cyan (31%)


Magenta (32%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4558, 41.6945, 33.2151 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 38.4558, 41.6945, 33.2151 by changing the saturation by 10% instead.


 38.4558, 41.6945,
33.2151


 38.4558, 41.6945,
33.2151


330.8184,
353.2150, 331.2796

 26.5155, 28.8622,
22.0188


 72.1056, 77.7371,
65.8311

 17.3444, 18.9766,
13.6723


 94.5458, 101.7160,
88.0879

 10.5771, 11.6533,
7.7569


121.2167,
130.1794, 114.8685

 5.8484, 6.5081,
3.8543

152.4836,
163.5115, 146.5917

 2.7929, 3.1564,
1.5457

188.7118,
202.0967, 183.6758

 1.0452, 1.2139,
0.2517

230.2668,

 0.0000, 0.0730,

246.3194, 226.5395

0.0000

277.5139,
296.5640, 275.6012

0.0000, 0.0000,
0.0000

38.4558, 41.6945,
33.2151

38.4558, 41.6945,
33.2151

36.8562, 40.5306,
26.4069

40.2750, 42.9558,
41.1493

35.4632, 39.4546,
20.6705

42.3198, 44.3127,
50.2551

34.2672, 38.4641,
15.9512

44.5997, 45.7704,
60.5786

33.2568, 37.5545,
12.1887

47.1230, 47.3324,
72.1628

32.4192, 36.7207,
9.3159

49.8976, 49.0016,
85.0487

■ 31.7402, 35.9569,
7.2573

■ 52.9307, 50.7811,
99.2751

■ 31.2028, 35.2564,
5.9248

■ 53.7362, 51.6765,
101.7501

■ 30.7818, 34.6089,
5.1842

■ 54.0988, 52.4015,
101.8709

■ 30.6838, 34.4517,
5.0326

■ 54.4656, 53.1353,
101.9932

Harmonies

Analogous

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



40.9696, 41.6945, 33.3025



38.4558, 41.6945, 33.2151



36.3460, 41.6945, 36.1407

Triad

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



38.4558, 41.6945, 33.2151



36.2492, 41.6945, 55.7777



44.4813, 41.6945, 49.3009

Complementary

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



38.4558, 41.6945, 33.2151



30.5372, 30.7796, 45.9268

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.



43.1048, 41.6945, 56.1153



38.4558, 41.6945, 33.2151



38.3187, 41.6945, 60.1168

Square

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



38.4558, 41.6945, 33.2151



35.1091, 41.6945, 48.8783



40.8266, 41.6945, 60.2465



44.5219, 41.6945, 42.0874

Rectangle

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



38.4558, 41.6945, 33.2151



35.4223, 41.6945, 39.6048



40.8266, 41.6945, 60.2465



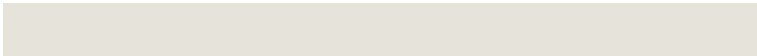
44.1570, 41.6945, 51.7307

Sweetspot

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



38.4569, 41.6963, 33.2160



72.9821, 77.5058, 77.4604



33.8436, 32.0785, 32.8842



15.7638, 16.7615, 16.5542



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



38.4569, 41.6963, 33.2160



67.7272, 73.8540, 54.5660



36.3448, 41.4765, 33.2849



9.1255, 9.7635, 9.0561



22.2558, 25.0102, 3.6544



0.7204, 0.8273, 0.1217

Inverse Universe

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



30.5372, 30.7796, 45.9268



50.8916, 50.6481, 81.5891



32.3945, 31.0424, 45.8797



8.1059, 8.3579, 10.6923



5.9176, 2.6356, 30.3338



0.2077, 0.1259, 0.9616

Previews

White Background



This preview shows how the XYZ color 38.4558, 41.6945, 33.2151 looks on a white background.

Color Contrast Check

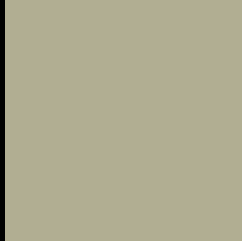
Large Text (above 18pt) WCAG AA × Fail

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 38.4558, 41.6945, 33.2151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

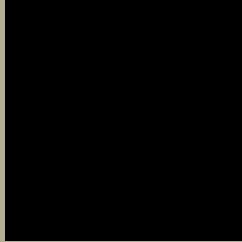
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

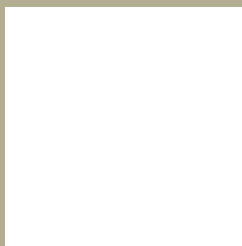
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4558, 41.6945, 33.2151

Background



This preview shows how black text looks on a background with the XYZ color 38.4558, 41.6945, 33.2151.



This preview shows how white text looks on a background with the XYZ color 38.4558, 41.6945,

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

38.4558, 41.6945, 33.2151

Protanopia

39.1548, 41.4945, 32.7336

Deuteranopia

42.2702, 41.4163, 33.7832



Tritanopia

41.9229, 41.6984, 50.0950

Trichromacy



Original Color

38.4558, 41.6945, 33.2151

Protanomaly

38.8768, 41.6348, 32.7754

Deuteranomaly

40.6896, 41.4297, 33.4559

Tritanomaly

40.5467, 41.6937, 43.4468

Monochromacy



Original Color

38.4558, 41.6945, 33.2151

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.0100, 41.5302, 40.6104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4558, 41.6945, 33.2151 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(177, 174, 146)` looks like.

```
.text, #text, p{  
    color:rgb(177, 174, 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(177, 174, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 174, 146) }
```

Border

The CSS property to change the border of an element to XYZ 38.4558, 41.6945, 33.2151 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(177, 174, 146) }
```


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

```
.border{ border-color:rgb(177, 174, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 174, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 174, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 174, 146);  
box-shadow:4px 4px 4px 4px rgb(177, 174,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4558, 41.6945, 33.2151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 174, 146) }
```

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

```
.background{ background-color: rgb(177,  
174, 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](#).

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