

Converting Colors

XYZ(38.5437, 40.4799, 36.1971)

Have a look what the booklet for
XYZ(38.5437, 40.4799, 36.1971)
contains.

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Color

**XYZ(38.5676, 40.5475,
36.3656)**

Conversions

Conversions Part 1

Format	Color
Hex	B2AA9A
RGB	178, 170, 154
RGB Percent	70%, 67%, 60%
CMY	0.3020, 0.3333, 0.3961
CMYK	0.00, 0.04, 0.13, 0.30
HSL	40°, 13%, 65%
HSV	40°, 13%, 70%
XYZ	38.5676, 40.5475, 36.3656
YIQ	170.5680, 9.9040, -3.2800

Conversions

Conversions Part 2

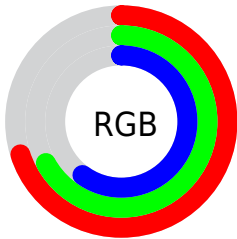
Format	Color
RYB	166, 178, 154
Decimal	11709082
CIELab	69.86, 0.09, 9.27
CIELCh	70, 9.268, 89.438
Yxy	40.5475, 0.3340, 0.3511
Android (android.graphics.Color)	4289899162 (0xFFB2AA9A)
YUV	170.5680, -8.1680, 6.5179
Hunter-Lab	63.6769, -3.3214, 10.7136

Details

The XYZ color **38.5676, 40.5475, 36.3656** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.2827, 35.9245, 47.2472**, and the grayscale version is **38.5292, 40.5357, 44.1434**.

A 20% lighter version of the original color is **72.2421, 75.8969, 70.5165**, and **17.3841, 18.2961, 15.4472** is the 20% darker color. If you saturate the color by 10%, you get **36.1072, 37.8256, 28.7656**, and if you desaturate by 10%, it is **41.3003, 43.4613, 45.1420**.

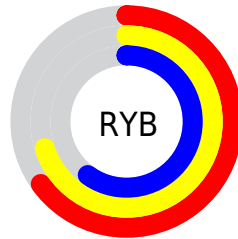
Distribution



Red (70%)

Green (67%)

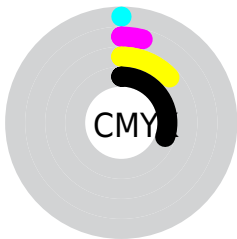
Blue (60%)



Red (65%)

Yellow (70%)

Blue (60%)

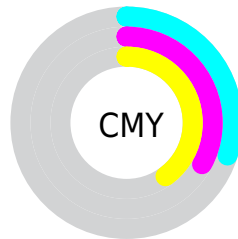


Cyan (0%)

Magenta (4%)

Yellow (13%)

Black (30%)



Cyan (30%)

Magenta (33%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5676, 40.5475, 36.3656 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 38.5676, 40.5475, 36.3656 by changing the saturation by 10% instead.

■ 38.5676, 40.5475,
36.3656

■ 38.5676, 40.5475,
36.3656

331.2875,
348.4258, 345.6413

■ 26.6027, 27.9657,
24.4248

■ 72.2756, 75.9965,
70.7714

■ 17.4101, 18.2998,
15.4339

■ 94.7494, 99.6325,
94.0734

■ 10.6244, 11.1654,
8.9745

121.4570,
127.7220, 121.9995

■ 5.8803, 6.1782,
4.6279

152.7635,
160.6494, 154.9684

■ 2.8124, 2.9538,
1.9758

189.0345,
198.7990, 193.3984

■ 1.0554, 1.1076,
0.5403

230.6353,

■ 0.0000, 0.0000,

242.5554, 237.7082

0.0000

277.9312,
292.3029, 288.3164

■ 38.5676, 40.5475,
36.3656

■ 38.5676, 40.5475,
36.3656

■ 36.1072, 37.8256,
28.7656

■ 41.3003, 43.4613,
45.1420

■ 33.9054, 35.2849,
22.2885

■ 44.3117, 46.5666,
55.1400

■ 31.9523, 32.9220,
16.8802

■ 47.6119, 49.8697,
66.4057

■ 30.2361, 30.7308,
12.4814

■ 51.2099, 53.3751,
78.9819

■ 28.7437, 28.7052,
9.0269

■ 55.1137, 57.0872,
92.9096

■ 27.4605, 26.8380,
6.4435

■ 58.3831, 60.6307,
103.2335

■ 26.3700, 25.1216,
4.6476

■ 59.8343, 63.5331,
103.7173

■ 25.4523, 23.5467,
3.5386

■ 61.3399, 66.5443,
104.2191

■ 24.9204, 22.5853,
3.0459

■ 62.9005, 69.6655,
104.7393

Harmonies

Analogous

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



40.0303, 40.5475, 37.3869



38.5676, 40.5475, 36.3656



37.1336, 40.5475, 37.3142

Triad

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



38.5676, 40.5475, 36.3656



36.0721, 40.5475, 48.3516



41.0866, 40.5475, 48.5015

Complementary

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



38.5676, 40.5475, 36.3656



34.2827, 35.9245, 47.2472

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.



39.9798, 40.5475, 51.7721



38.5676, 40.5475, 36.3656



37.0856, 40.5475, 51.6816

Square

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



38.5676, 40.5475, 36.3656



35.7157, 40.5475, 44.0680



38.5108, 40.5475, 52.9713



41.5076, 40.5475, 44.2308

Rectangle

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



38.5676, 40.5475, 36.3656



36.3811, 40.5475, 38.9735



38.5108, 40.5475, 52.9713



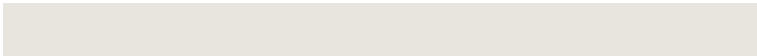
40.7810, 40.5475, 49.7642

Sweetspot

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



38.5687, 40.5493, 36.3665



74.5904, 78.4943, 80.8677



36.4379, 35.1854, 39.0540



16.4400, 17.3005, 17.6377



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.



38.5687, 40.5493, 36.3665



68.6455, 72.1188, 61.8858



39.2092, 43.1731, 36.8392



8.9537, 9.4200, 8.9989



17.8902, 16.2790, 2.1992



0.6138, 0.6141, 0.0862

Inverse Universe

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



34.2827, 35.9245, 47.2472



59.4420, 62.1886, 85.2518



33.6926, 33.5953, 46.8287



8.2656, 8.6775, 10.7456



6.9327, 4.6658, 30.6722



0.2731, 0.2568, 0.9834

Previews

White Background



This preview shows how the XYZ color 38.5676, 40.5475, 36.3656 looks on a white background.

Color Contrast Check

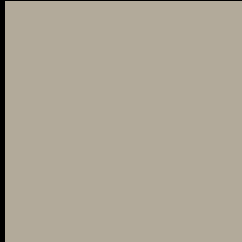
Large Text (above 18pt) WCAG AA × Fail

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 38.5676, 40.5475, 36.3656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

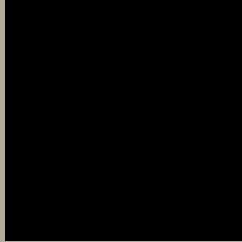
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.5676, 40.5475, 36.3656

Background



This preview shows how black text looks on a background with the XYZ color 38.5676, 40.5475, 36.3656.

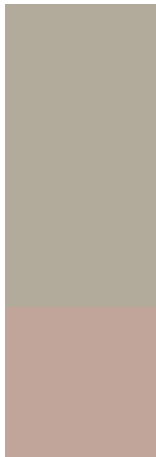


This preview shows how white text looks on a background with the XYZ color 38.5676, 40.5475,

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

38.5676, 40.5475, 36.3656

Protanopia

38.5676, 40.5475, 36.3656

Deuteranopia

41.3638, 40.6143, 36.6696



Tritanopia

40.8290, 40.3509, 48.2844

Trichromacy



Original Color

38.5676, 40.5475, 36.3656

Protanomaly

38.5676, 40.5475, 36.3656

Deuteranomaly

40.4741, 40.6954, 36.7321

Tritanomaly

39.8968, 40.2430, 43.6951

Monochromacy



Original Color

38.5676, 40.5475, 36.3656

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.8100, 40.8411, 41.4349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5676, 40.5475, 36.3656 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, 170, 154)` looks like.

```
.text, #text, p{  
    color:rgb(178, 170, 154)  
}
```

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, 170, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 170, 154) }
```

Border

The CSS property to change the border of an element to XYZ 38.5676, 40.5475, 36.3656 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, 170, 154) }
```


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

```
.border{ border-color:rgb(178, 170, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 170, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 170, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 170, 154);  
box-shadow:4px 4px 4px 4px rgb(178, 170,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5676, 40.5475, 36.3656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 170, 154) }
```

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

```
.background{ background-color: rgb(178,  
170, 154) }
```

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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