

Converting Colors

XYZ(38.6742, 43.3496, 37.3433)

Have a look what the booklet for
XYZ(38.6742, 43.3496, 37.3433)
contains.

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Color

**XYZ(38.8152, 43.5551,
37.3715)**

Conversions

Conversions Part 1

Format	Color
Hex	AAB49B
RGB	170, 180, 155
RGB Percent	67%, 71%, 61%
CMY	0.3333, 0.2941, 0.3922
CMYK	0.06, 0.00, 0.14, 0.29
HSL	84°, 14%, 66%
HSV	84°, 14%, 71%
XYZ	38.8152, 43.5551, 37.3715
YIQ	174.1600, 2.0650, -9.8950

Conversions

Conversions Part 2

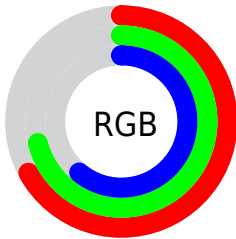
Format	Color
RYB	155, 180, 165
Decimal	11187355
CIELab	71.93, -8.05, 11.57
CIELCh	72, 14.098, 124.827
Yxy	43.5551, 0.3242, 0.3637
Android (android.graphics.Color)	4289377435 (0xFFAAB49B)
YUV	174.1600, -9.4459, -3.6483
Hunter-Lab	65.9963, -10.5101, 12.6234

Details

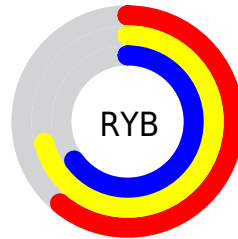
The XYZ color **38.8152, 43.5551, 37.3715** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.4783, 34.7385, 48.0176**, and the grayscale version is **40.3616, 42.4635, 46.2428**.

A 20% lighter version of the original color is **72.5554, 80.6019, 72.0552**, and **17.5593, 20.0298, 16.0374** is the 20% darker color. If you saturate the color by 10%, you get **35.9007, 42.2157, 29.9235**, and if you desaturate by 10%, it is **42.0428, 45.0324, 46.0123**.

Distribution



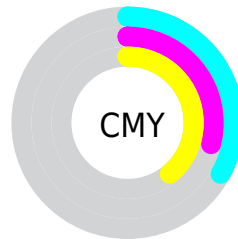
- Red (67%)
- Green (71%)
- Blue (61%)



- Red (61%)
- Yellow (71%)
- Blue (65%)



- Cyan (6%)
- Magenta (0%)
- Yellow (14%)
- Black (29%)



- Cyan (33%)
- Magenta (29%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8152, 43.5551, 37.3715 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 38.8152, 43.5551, 37.3715 by changing the saturation by 10% instead.

■ 38.8152, 43.5551,
37.3715

■ 38.8152, 43.5551,
37.3715

332.3249,
360.8897, 350.1331

■ 26.7961, 30.3209,
25.1972

■ 72.6518, 80.5479,
72.3365

■ 17.5559, 20.0823,
16.0037

■ 95.2000, 105.0752,
95.9643

■ 10.7294, 12.4549,
9.3724

121.9886,
134.1357, 124.2470

■ 5.9511, 7.0543,
4.8847

153.3829,
168.1138, 157.6031

■ 2.8558, 3.4961,
2.1222

189.7483,
207.3938, 196.4513

■ 1.0779, 1.3959,
0.6290

231.4502,

■ 0.0065, 0.2137,

252.3602, 241.2100

0.0000

278.8540,
303.3974, 292.2977

■ 0.0000, 0.0000,
0.0000

■ 38.8152, 43.5551,
37.3715

■ 38.8152, 43.5551,
37.3715

■ 35.9007, 42.2157,
29.9235

■ 42.0428, 45.0324,
46.0123

■ 33.2844, 41.0040,
23.6132

■ 45.5905, 46.6463,
55.8923

■ 30.9555, 39.9167,
18.3851

■ 49.4697, 48.4030,
67.0587

■ 28.9009, 38.9485,
14.1781

■ 53.6900, 50.3064,
79.5556

■ 27.1064, 38.0935,
10.9250

■ 58.2605, 52.3603,
93.4249

■ 25.5563, 37.3454,
8.5506

■ 61.8742, 54.0421,
101.7778

■ 24.2326, 36.6966,
6.9683

■ 64.0127, 55.1445,
101.8779

■ 23.1139, 36.1385,
6.0738

■ 66.2452, 56.2954,
101.9823

■ 22.5048, 35.8315,
5.7301

■ 68.5728, 57.4953,
102.0913

Harmonies

Analogous

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



41.0103, 43.5551, 35.4246



38.8152, 43.5551, 37.3715



37.3561, 43.5551, 42.0161

Triad

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



38.8152, 43.5551, 37.3715



39.4637, 43.5551, 60.4339



46.1738, 43.5551, 46.3196

Complementary

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



38.8152, 43.5551, 37.3715



35.4783, 34.7385, 48.0176

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.



45.7210, 43.5551, 53.2773



38.8152, 43.5551, 37.3715



41.7877, 43.5551, 61.8669

Square

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



38.8152, 43.5551, 37.3715



37.7202, 43.5551, 55.3883



44.0925, 43.5551, 59.1348



45.3070, 43.5551, 40.2625

Rectangle

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



38.8152, 43.5551, 37.3715



36.9653, 43.5551, 46.2411



44.0925, 43.5551, 59.1348



46.1712, 43.5551, 48.6271

Sweetspot

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



38.8164, 43.5570, 37.3724



76.1192, 81.5991, 83.1271



38.1955, 38.9816, 36.5220



16.3537, 17.5916, 17.6984



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.



38.8164, 43.5570, 37.3724



68.5187, 78.1201, 62.9301



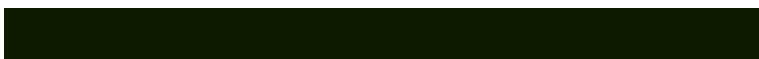
36.2413, 42.2295, 37.2519



8.8615, 9.7337, 9.0643



15.7835, 25.0468, 4.0026



0.5603, 0.8209, 0.1289

Inverse Universe

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



35.4783, 34.7385, 48.0176



61.1604, 58.6799, 86.3975



38.2067, 36.1450, 48.1453



8.3530, 8.3905, 10.6856



7.6874, 3.2988, 30.3686



0.3086, 0.1382, 0.9586

Previews

White Background



This preview shows how the XYZ color 38.8152, 43.5551, 37.3715 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 38.8152, 43.5551, 37.3715 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 38.8152, 43.5551, 37.3715

Background



This preview shows how black text looks on a background with the XYZ color 38.8152, 43.5551, 37.3715.



This preview shows how white text looks on a background with the XYZ color 38.8152, 43.5551,

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

38.8152, 43.5551, 37.3715

Protanopia

41.2827, 43.6649, 36.3893

Deuteranopia

44.2799, 43.4631, 37.9537



Tritanopia

42.1945, 43.4480, 54.3065

Trichromacy



Original Color

38.8152, 43.5551, 37.3715

Protanomaly

40.3773, 43.4807, 36.8363

Deuteranomaly

42.1231, 43.4912, 37.6270

Tritanomaly

40.8915, 43.5028, 47.8366

Monochromacy



Original Color

38.8152, 43.5551, 37.3715

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.7340, 42.7249, 42.7117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8152, 43.5551, 37.3715 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(170, 180, 155)` looks like.

```
.text, #text, p{  
    color:rgb(170, 180, 155)  
}
```

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(170, 180, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 180, 155) }
```

Border

The CSS property to change the border of an element to XYZ 38.8152, 43.5551, 37.3715 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(170, 180, 155) }
```


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

```
.border{ border-color:rgb(170, 180, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 180, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 180, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 180, 155);  
box-shadow:4px 4px 4px 4px rgb(170, 180,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8152, 43.5551, 37.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 180, 155) }
```

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

```
.background{ background-color: rgb(170,  
180, 155) }
```

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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