

Converting Colors

XYZ(38.7230, 45.5023, 37.7524)

Have a look what the booklet for
XYZ(38.7230, 45.5023, 37.7524)
contains.

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Color

**XYZ(38.7910, 45.6937,
37.7856)**

Conversions

Conversions Part 1

Format	Color
Hex	A3BB9B
RGB	163, 187, 155
RGB Percent	64%, 73%, 61%
CMY	0.3608, 0.2667, 0.3922
CMYK	0.13, 0.00, 0.17, 0.27
HSL	105°, 19%, 67%
HSV	105°, 17%, 73%
XYZ	38.7910, 45.6937, 37.7856
YIQ	176.1760, -4.0320, -15.0400

Conversions

Conversions Part 2

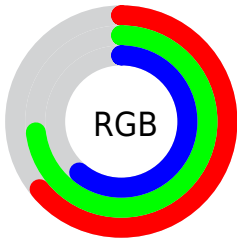
Format	Color
RYB	155, 187, 179
Decimal	10730395
CIELab	73.35, -14.23, 13.50
CIELCh	73, 19.616, 136.515
Yxy	45.6937, 0.3173, 0.3737
Android (android.graphics.Color)	4288920475 (0xFFA3BB9B)
YUV	176.1760, -10.4398, -11.5554
Hunter-Lab	67.5971, -15.8617, 14.1759

Details

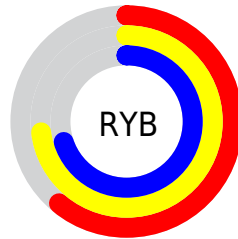
The XYZ color **38.7910, 45.6937, 37.7856** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.2831, 36.6155, 52.0131**, and the grayscale version is **41.4139, 43.5707, 47.4485**.

A 20% lighter version of the original color is **72.4727, 83.6101, 72.6402**, and **17.5793, 21.4292, 16.3064** is the 20% darker color. If you saturate the color by 10%, you get **34.6265, 43.7158, 30.0179**, and if you desaturate by 10%, it is **43.5198, 47.9371, 46.8513**.

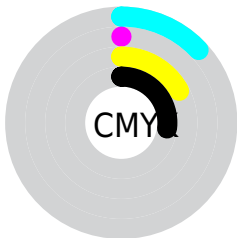
Distribution



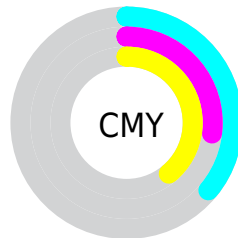
- Red (64%)
- Green (73%)
- Blue (61%)



- Red (61%)
- Yellow (73%)
- Blue (70%)



- Cyan (13%)
- Magenta (0%)
- Yellow (17%)
- Black (27%)





- Cyan (36%)
- Magenta (27%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7910, 45.6937, 37.7856 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 38.7910, 45.6937, 37.7856 by changing the saturation by 10% instead.

 38.7910, 45.6937,
37.7856


 38.7910, 45.6937,
37.7856


332.2236,
369.5758, 351.9699

 26.7772, 32.0042,
25.5158

 72.6150, 83.7604,
72.9792

 17.5417, 21.3647,
16.2392


 95.1560, 108.9064,
96.7400

 10.7191, 13.3908,
9.5374

121.9366,
138.6400, 125.1683

 5.9442, 7.6982,
4.9918

153.3224,
173.3456, 158.6825

 2.8515, 3.9025,
2.1838

189.6786,
213.4076, 197.7013

 1.0757, 1.6192,
0.6650

231.3707,

 0.0047, 0.3705,

259.2103, 242.6431

0.0000

278.7639,
311.1383, 293.9264

■ 0.0000, 0.0000,
0.0000

■ 38.7910, 45.6937,
37.7856

■ 38.7910, 45.6937,
37.7856

■ 34.6265, 43.7158,
30.0179

■ 43.5198, 47.9371,
46.8513

■ 31.0011, 41.9876,
23.4859

■ 48.8295, 50.4493,
57.2673

■ 27.8930, 40.5008,
18.1267

■ 54.7406, 53.2411,
69.0870

■ 25.2777, 39.2440,
13.8708

■ 61.2714, 56.3208,
82.3597

■ 23.1283, 38.2052,
10.6411

■ 68.4397, 59.6966,
97.1326

■ 21.4152, 37.3710,
8.3508

■ 74.2342, 62.5650,
102.7714

■ 20.1052, 36.7264,
6.8988

■ 77.0612, 64.0224,
102.9037

■ 19.1557, 36.2527,
6.1429

■ 18.9318, 36.1407,
5.9780

Harmonies

Analogous

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



41.5711, 45.6937, 33.6642



38.7910, 45.6937, 37.7856



37.2912, 45.6937, 45.4508

Triad

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



38.7910, 45.6937, 37.7856



41.9012, 45.6937, 70.6188



50.1091, 45.6937, 44.5428

Complementary

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



38.7910, 45.6937, 37.7856



39.2831, 36.6155, 52.0131

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.



50.2091, 45.6937, 54.3178



38.7910, 45.6937, 37.7856



45.3445, 45.6937, 70.2907

Square

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



38.7910, 45.6937, 37.7856



39.0216, 45.6937, 64.8566



48.4259, 45.6937, 64.0122



48.1595, 45.6937, 37.1971

Rectangle

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



38.7910, 45.6937, 37.7856



37.1648, 45.6937, 51.9406



48.4259, 45.6937, 64.0122



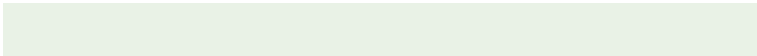
50.3636, 45.6937, 47.6270

Sweetspot

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



38.7922, 45.6957, 37.7866



79.7871, 86.7256, 87.4987



42.5318, 45.1735, 37.4887



17.4281, 19.0310, 18.9914



90.7827, 95.5105, 104.0109



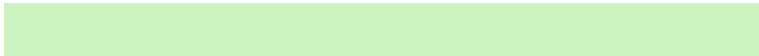
18.6292, 19.5994, 21.3438

Same Dimension

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



38.7922, 45.6957, 37.7866



66.1998, 80.2821, 61.5152



37.9001, 45.1555, 41.3697



9.6263, 10.7618, 10.1465



13.1005, 24.9294, 4.1214



0.5754, 1.0086, 0.1643

Inverse Universe

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



39.2831, 36.6155, 52.0131



67.2614, 60.5982, 92.3530



40.3532, 37.2633, 47.7154



9.6907, 9.5729, 12.0092



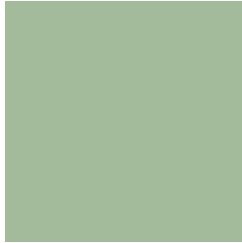
13.7304, 6.3643, 32.8977



0.5943, 0.2784, 1.2913

Previews

White Background



This preview shows how the XYZ color 38.7910, 45.6937, 37.7856 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 38.7910, 45.6937, 37.7856 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 38.7910, 45.6937, 37.7856

Background



This preview shows how black text looks on a background with the XYZ color 38.7910, 45.6937, 37.7856.



This preview shows how white text looks on a background with the XYZ color 38.7910, 45.6937,

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

38.7910, 45.6937, 37.7856

Protanopia

42.6923, 45.2934, 35.7705

Deuteranopia

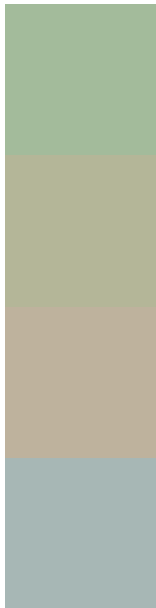
46.2920, 45.3349, 38.6584



Tritanopia

42.8499, 45.4683, 58.7424

Trichromacy



Original Color

38.7910, 45.6937, 37.7856

Protanomaly

41.2178, 45.4262, 36.3015

Deuteranomaly

43.2414, 45.2223, 38.3480

Tritanomaly

41.2103, 45.4187, 50.3107

Monochromacy



Original Color

38.7910, 45.6937, 37.7856

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.1837, 44.1276, 43.4454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7910, 45.6937, 37.7856 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, 187, 155)` looks like.

```
.text, #text, p{  
    color:rgb(163, 187, 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(163, 187, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 187, 155) }
```

Border

The CSS property to change the border of an element to XYZ 38.7910, 45.6937, 37.7856 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, 187, 155) }
```


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

```
.border{ border-color:rgb(163, 187, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 187, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 187, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 187, 155);  
box-shadow:4px 4px 4px 4px rgb(163, 187,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7910, 45.6937, 37.7856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 187, 155) }
```

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

```
.background{ background-color: rgb(163,  
187, 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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