

Converting Colors

XYZ(40.8835, 45.3875, 37.5826)

Have a look what the booklet for
XYZ(40.8835, 45.3875, 37.5826)
contains.

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Color

**XYZ(40.9813, 45.5806,
37.6483)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B79B
RGB	177, 183, 155
RGB Percent	69%, 72%, 61%
CMY	0.3059, 0.2823, 0.3922
CMYK	0.03, 0.00, 0.15, 0.28
HSL	73°, 16%, 66%
HSV	73°, 15%, 72%
XYZ	40.9813, 45.5806, 37.6483
YIQ	178.0140, 5.4120, -9.9800

Conversions

Conversions Part 2

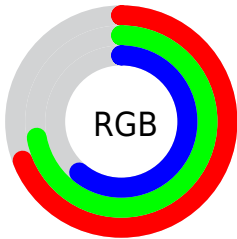
Format	Color
RYB	155, 183, 161
Decimal	11646875
CIELab	73.27, -7.06, 13.54
CIELCh	73, 15.273, 117.540
Yxy	45.5806, 0.3299, 0.3670
Android (android.graphics.Color)	4289836955 (0xFFB1B79B)
YUV	178.0140, -11.3459, -0.8893
Hunter-Lab	67.5134, -9.7972, 14.1968

Details

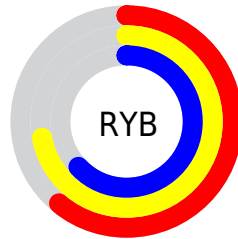
The XYZ color **40.9813, 45.5806, 37.6483** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.9683, 34.4399, 49.6067**, and the grayscale version is **42.3814, 44.5886, 48.5570**.

A 20% lighter version of the original color is **75.9794, 83.6601, 72.4651**, and **18.7935, 21.2498, 16.2078** is the 20% darker color. If you saturate the color by 10%, you get **38.6790, 44.5594, 30.1168**, and if you desaturate by 10%, it is **43.5448, 46.7122, 46.4098**.

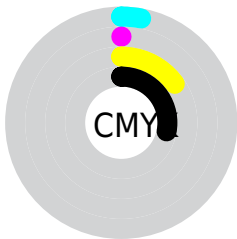
Distribution



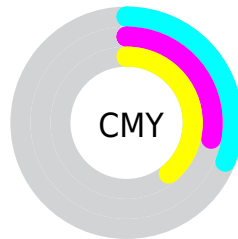
- Red (69%)
- Green (72%)
- Blue (61%)



- Red (61%)
- Yellow (72%)
- Blue (63%)



- Cyan (3%)
- Magenta (0%)
- Yellow (15%)
- Black (28%)



- Cyan (31%)
- Magenta (28%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9813, 45.5806, 37.6483 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 40.9813, 45.5806, 37.6483 by changing the saturation by 10% instead.

■ 40.9813, 45.5806,
37.6483

■ 40.9813, 45.5806,
37.6483

341.3064,
369.1199, 351.3617

■ 28.4921, 31.9150,
25.4101

■ 75.9304, 83.5910,
72.7662

■ 18.8393, 21.2966,
16.1611

■ 99.1210, 108.7045,
96.4830

■ 11.6575, 13.3410,
9.4826

126.6094,
138.4029, 124.8631

■ 6.5815, 7.6638,
4.9562

158.7610,
173.0704, 158.3250

■ 3.2457, 3.8806,
2.1633

195.9411,
213.0914, 197.2872

■ 1.2850, 1.6070,
0.6531

238.5152,

■ 0.1720, 0.3623,

258.8505, 242.1684

0.0000

286.8485,
310.7318, 293.3871

■ 0.0000, 0.0000,
0.0000

■ 40.9813, 45.5806,
37.6483

■ 40.9813, 45.5806,
37.6483

■ 38.6790, 44.5594,
30.1168

■ 43.5448, 46.7122,
46.4098

■ 36.6234, 43.6384,
23.7574

■ 46.3757, 47.9523,
56.4499

■ 34.8044, 42.8148,
18.5117

■ 49.4847, 49.3067,
67.8183

■ 33.2095, 42.0839,
14.3154

■ 52.8809, 50.7789,
80.5610

■ 31.8250, 41.4399,
11.0975

■ 56.5726, 52.3725,
94.7218

■ 30.6356, 40.8769,
8.7781

■ 58.9489, 53.4430,
101.8163

■ 29.6234, 40.3875,
7.2650

■ 60.0141, 53.9921,
101.8662

■ 28.7667, 39.9631,
6.4444

■ 61.1065, 54.5552,
101.9173

■ 28.3956, 39.7773,
6.1812

■ 62.2261, 55.1324,
101.9697

Harmonies

Analogous

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



43.5448, 45.5806, 36.2840



40.9813, 45.5806, 37.6483



39.1144, 45.5806, 42.1149

Triad

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



40.9813, 45.5806, 37.6483



40.6128, 45.5806, 63.1682



48.6840, 45.5806, 50.2664

Complementary

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



40.9813, 45.5806, 37.6483



34.9683, 34.4399, 49.6067

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.



47.8231, 45.5806, 57.9888



40.9813, 45.5806, 37.6483



43.1019, 45.5806, 65.9017

Square

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



40.9813, 45.5806, 37.6483



38.9079, 45.5806, 56.7788



45.7522, 45.5806, 63.9160



48.0600, 45.5806, 43.1071

Rectangle

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



40.9813, 45.5806, 37.6483



38.4785, 45.5806, 46.5096



45.7522, 45.5806, 63.9160



48.5579, 45.5806, 52.8859

Sweetspot

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



40.9825, 45.5826, 37.6493



78.0898, 83.7030, 83.4841



38.1214, 37.7853, 36.2950



17.1731, 18.4546, 18.1793



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



40.9825, 45.5826, 37.6493



72.1116, 81.0648, 63.1584



38.0377, 44.0645, 37.5115



9.5566, 10.4036, 9.6113



19.8675, 27.7784, 4.3146



0.7481, 1.0039, 0.1543

Inverse Universe

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



34.9683, 34.4399, 49.6067



59.4994, 57.6962, 88.2362



37.8596, 35.9304, 49.7420



8.6963, 8.8098, 11.3216



6.6012, 2.7142, 31.4290



0.2855, 0.1229, 1.1104

Previews

White Background



This preview shows how the XYZ color 40.9813, 45.5806, 37.6483 looks on a white background.

Color Contrast Check

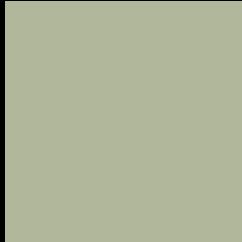
Large Text (above 18pt) WCAG AA × Fail

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 40.9813, 45.5806, 37.6483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

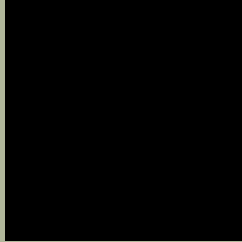
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

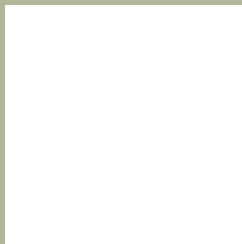
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9813, 45.5806, 37.6483

Background



This preview shows how black text looks on a background with the XYZ color 40.9813, 45.5806, 37.6483.



This preview shows how white text looks on a background with the XYZ color 40.9813, 45.5806,

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

40.9813, 45.5806, 37.6483

Protanopia

42.8561, 45.3589, 36.6334

Deuteranopia

46.2062, 45.3006, 38.2068



Tritanopia

44.7262, 45.5916, 56.3119

Trichromacy



Original Color

40.9813, 45.5806, 37.6483

Protanomaly

42.1616, 45.2899, 37.0915

Deuteranomaly

44.2286, 45.4467, 37.8935

Tritanomaly

43.2803, 45.6005, 49.1685

Monochromacy



Original Color

40.9813, 45.5806, 37.6483

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.9371, 45.0098, 44.5076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9813, 45.5806, 37.6483 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, 183, 155)` looks like.

```
.text, #text, p{  
    color:rgb(177, 183, 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(177, 183, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 183, 155) }
```

Border

The CSS property to change the border of an element to XYZ 40.9813, 45.5806, 37.6483 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, 183, 155) }
```


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

```
.border{ border-color:rgb(177, 183, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 183, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 183, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 183, 155);  
box-shadow:4px 4px 4px 4px rgb(177, 183,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9813, 45.5806, 37.6483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 183, 155) }
```

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

```
.background{ background-color: rgb(177,  
183, 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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