

Converting Colors

XYZ(37.6732, 39.2327, 45.8521)

Have a look what the booklet for
XYZ(37.6732, 39.2327, 45.8521)
contains.

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Color

**XYZ(37.7911, 39.3861,
45.6549)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A8AE
RGB	168, 168, 174
RGB Percent	66%, 66%, 68%
CMY	0.3412, 0.3412, 0.3176
CMYK	0.03, 0.03, 0.00, 0.32
HSL	240°, 4%, 67%
HSV	240°, 3%, 68%
XYZ	37.7911, 39.3861, 45.6549
YIQ	168.6840, -1.9260, 1.8660

Conversions

Conversions Part 2

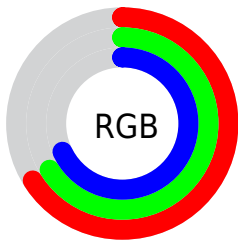
Format	Color
RYB	168, 168, 174
Decimal	11053230
CIELab	69.03, 1.16, -3.09
CIElCh	69, 3.301, 290.529
Yxy	39.3861, 0.3077, 0.3206
Android (android.graphics.Color)	4289243310 (0xFFA8A8AE)
YUV	168.6840, 2.6208, -0.5999
Hunter-Lab	62.7583, -2.3400, 0.7991

Details

The XYZ color **37.7911, 39.3861, 45.6549** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.6596, 42.0976, 43.0819**, and the grayscale version is **37.5451, 39.5004, 43.0159**.

A 20% lighter version of the original color is **70.9620, 74.1205, 84.6953**, and **16.9607, 17.6089, 20.9173** is the 20% darker color. If you saturate the color by 10%, you get **31.3329, 31.6056, 44.4941**, and if you desaturate by 10%, it is **45.1768, 48.2845, 46.9838**.

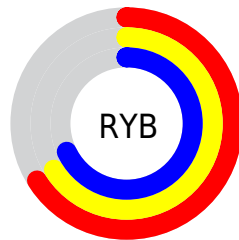
Distribution



Red (66%)

Green (66%)

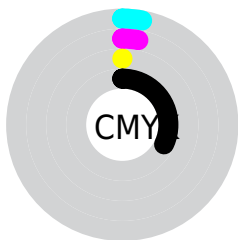
Blue (68%)



Red (66%)

Yellow (66%)

Blue (68%)

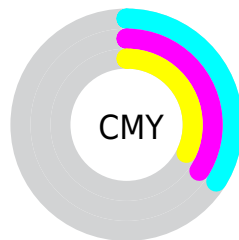


Cyan (3%)

Magenta (3%)

Yellow (0%)

Black (32%)



Cyan (34%)

Magenta (34%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7911, 39.3861, 45.6549 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 37.7911, 39.3861, 45.6549 by changing the saturation by 10% instead.

■ 37.7911, 39.3861,
45.6549

■ 37.7911, 39.3861,
45.6549

328.0194,
343.5292, 385.6567

■ 25.9971, 27.0602,
31.6269

■ 71.0938, 74.2278,
85.0311

■ 16.9541, 17.6185,
20.8142

■ 93.3332, 97.5124,
111.2164

■ 10.2969, 10.6764,
12.7983

119.7851,
125.2186, 142.2912

■ 5.6600, 5.8497,
7.1607

150.8148,
157.7310, 178.6741

■ 2.6782, 2.7539,
3.4829

186.7877,
195.4339, 220.7835

■ 0.9859, 1.0046,
1.3462

228.0692,

■ 0.0000, 0.0000,

238.7116, 269.0380

0.0992

275.0247,
287.9486, 323.8563

■ 0.0000, 0.0000,
0.0000

■ 37.7911, 39.3861,
45.6549

■ 37.7911, 39.3861,
45.6549

■ 31.3329, 31.6056,
44.4941

■ 45.1768, 48.2845,
46.9838

■ 25.7623, 24.8940,
43.4922

■ 53.5209, 58.3371,
48.4844

■ 21.0415, 19.2062,
42.6432

■ 62.8574, 69.5851,
50.1634

■ 17.1288, 14.4918,
41.9394

■ 73.2173, 82.0660,
52.0264

■ 13.9790, 10.6964,
41.3729

■ 84.6296, 95.8151,
54.0787

■ 11.5422, 7.7599,
40.9345

■ 84.6401, 95.8360,
54.0822

■ 9.7629, 5.6156,
40.6144

■ 8.5772, 4.1864,
40.4010

■ 7.9086, 3.3802,
40.2806

Harmonies

Analogous

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



37.2691, 39.3861, 45.8057



37.7911, 39.3861, 45.6549



38.2215, 39.3861, 44.7525

Triad

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



37.7911, 39.3861, 45.6549



38.0819, 39.3861, 40.6875



36.4466, 39.3861, 42.4099

Complementary

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



37.7911, 39.3861, 45.6549



39.6596, 42.0976, 43.0819

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.



36.6600, 39.3861, 41.0697



37.7911, 39.3861, 45.6549



37.6020, 39.3861, 40.0907

Square

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



37.7911, 39.3861, 45.6549



38.3905, 39.3861, 41.8770



37.0818, 39.3861, 40.2290



36.4961, 39.3861, 43.9086

Rectangle

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



37.7911, 39.3861, 45.6549



38.3970, 39.3861, 43.8575



37.0818, 39.3861, 40.2290



36.4898, 39.3861, 41.9265

Sweetspot

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



37.7922, 39.3878, 45.6558



71.6492, 75.1779, 83.3713



38.9154, 41.6497, 45.9821



15.9406, 16.7281, 18.5330



84.5950, 89.0005, 96.9216



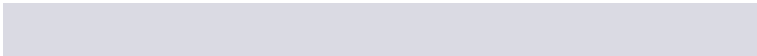
16.2198, 17.0645, 18.5832

Same Dimension

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



37.7922, 39.3878, 45.6558



67.7726, 70.5075, 82.6742



38.4161, 39.7087, 45.6848



8.2646, 8.5835, 10.1739



5.5420, 2.2179, 29.1805



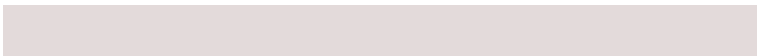
0.1543, 0.0619, 0.8118

Inverse Universe

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



38.5270, 39.8319, 42.7055



69.3397, 71.4547, 76.3821



39.0210, 41.7691, 43.0521



8.4844, 8.7164, 9.2913



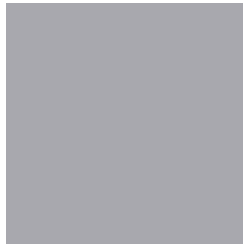
12.6610, 6.5269, 0.5944



0.3523, 0.1816, 0.0168

Previews

White Background



This preview shows how the XYZ color 37.7911, 39.3861, 45.6549 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 37.7911, 39.3861, 45.6549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

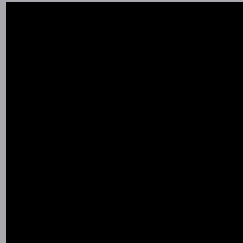
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7911, 39.3861, 45.6549

Background



This preview shows how black text looks on a background with the XYZ color 37.7911, 39.3861, 45.6549.



This preview shows how white text looks on a background with the XYZ color 37.7911, 39.3861,

45.6549.

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

37.7911, 39.3861, 45.6549

Protanopia

38.0363, 39.2395, 45.6136

Deuteranopia

40.1265, 39.2346, 46.0156



Tritanopia

38.4191, 39.3677, 48.7538

Trichromacy



Original Color

37.7911, 39.3861, 45.6549

Protanomaly

37.8209, 39.1284, 45.6036

Deuteranomaly

39.3245, 39.3525, 46.0806

Tritanomaly

38.2168, 39.2868, 47.6883

Monochromacy



Original Color

37.7911, 39.3861, 45.6549

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.9008, 39.7512, 44.2032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7911, 39.3861, 45.6549 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(168, 168, 174)` looks like.

```
.text, #text, p{  
    color:rgb(168, 168, 174)  
}
```

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(168, 168, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 168, 174) }
```

Border

The CSS property to change the border of an element to XYZ 37.7911, 39.3861, 45.6549 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(168, 168, 174) }
```


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

```
.border{ border-color:rgb(168, 168, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 168, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 168, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 168, 174);  
box-shadow:4px 4px 4px 4px rgb(168, 168,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7911, 39.3861, 45.6549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 168, 174) }
```

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

```
.background{ background-color: rgb(168,  
168, 174) }
```

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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