

Converting Colors

XYZ(36.9996, 39.7971, 45.8622)

Have a look what the booklet for
XYZ(36.9996, 39.7971, 45.8622)
contains.

XYZ(36.9008, 39.7589, 45.7737) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 28

CSS Examples 31

Color

**XYZ(36.9008, 39.7589,
45.7737)**

Conversions

Conversions Part 1	
Format	Color
Hex	A1ABAE
RGB	161, 171, 174
RGB Percent	63%, 67%, 68%
CMY	0.3686, 0.3294, 0.3176
CMYK	0.07, 0.02, 0.00, 0.32
HSL	194°, 7%, 66%
HSV	194°, 7%, 68%
XYZ	36.9008, 39.7589, 45.7737
YIQ	168.3520, -6.9230, -1.1870

Conversions

Conversions Part 2

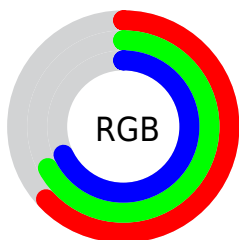
Format	Color
RYB	161, 167, 174
Decimal	10595246
CIELab	69.30, -2.91, -2.76
CIELCh	69, 4.007, 223.525
Yxy	39.7589, 0.3014, 0.3247
Android (android.graphics.Color)	4288785326 (0xFFA1ABAE)
YUV	168.3520, 2.7845, -6.4477
Hunter-Lab	63.0547, -5.8840, 1.0975

Details

The XYZ color **36.9008, 39.7589, 45.7737** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.1641, 38.1223, 39.1183**, and the grayscale version is **37.3825, 39.3293, 42.8296**.

A 20% lighter version of the original color is **69.6581, 74.6488, 84.8660**, and **16.4164, 17.8500, 20.9925** is the 20% darker color. If you saturate the color by 10%, you get **32.8895, 36.5842, 45.3730**, and if you desaturate by 10%, it is **41.4254, 43.2345, 46.2067**.

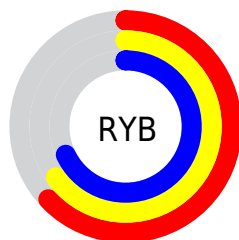
Distribution



Red (63%)

Green (67%)

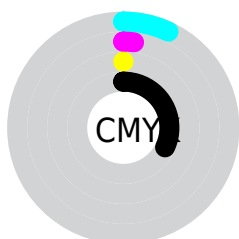
Blue (68%)



Red (63%)

Yellow (65%)

Blue (68%)

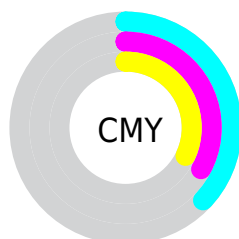


Cyan (7%)

Magenta (2%)

Yellow (0%)

Black (32%)



Cyan (37%)


Magenta (33%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9008, 39.7589, 45.7737 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 36.9008, 39.7589, 45.7737 by changing the saturation by 10% instead.


 36.9008, 39.7589,
45.7737


 36.9008, 39.7589,
45.7737


324.2438,
345.1063, 386.1492

 25.3040, 27.3506,
31.7199


 69.7350, 74.7962,
85.2109

 16.4336, 17.8367,
20.8846


 91.7031, 98.1941,
111.4314

 9.9243, 10.8328,
12.8493


117.8591,
126.0239, 142.5446

 5.4107, 5.9545,
7.1953

148.5683,
158.6701, 178.9690

 2.5274, 2.8175,
3.5043

184.1960,
196.5170, 221.1231

 0.9091, 1.0372,
1.3575


225.1075,


 0.0000, 0.0000,


239.9491, 269.4255


0.1082


271.6684,
289.3507, 324.2947


 0.0000, 0.0000,
0.0000


 36.9008, 39.7589,
45.7737


 36.9008, 39.7589,
45.7737


 32.8895, 36.5842,
45.3730


 41.4254, 43.2345,
46.2067

 29.3678, 33.6946,
45.0008


 46.4789, 47.0162,
46.6703


 26.3152, 31.0805,
44.6571

 52.0806, 51.1152,
47.1662

 23.7085, 28.7294,
44.3407

 58.2475, 55.5406,
47.6954

 21.5222, 26.6280,
44.0503

 64.9963, 60.3012,
48.2586

■ 19.7284, 24.7615,
43.7846

■ 68.4115, 63.3789,
48.6726

■ 18.2954, 23.1134,
43.5420

■ 69.3229, 65.2017,
48.9764

■ 17.1865, 21.6642,
43.3207

■ 70.2586, 67.0731,
49.2883

■ 16.3453, 20.3847,
43.1181

■ 71.2189, 68.9936,
49.6084

Harmonies

Analogous

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



36.6010, 39.7589, 44.1236



36.9008, 39.7589, 45.7737



37.4403, 39.7589, 46.7735

Triad

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



36.9008, 39.7589, 45.7737



38.9869, 39.7589, 44.3020



37.5014, 39.7589, 39.9405

Complementary

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



36.9008, 39.7589, 45.7737



37.1641, 38.1223, 39.1183

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.



38.1411, 39.7589, 39.9852



36.9008, 39.7589, 45.7737



39.0038, 39.7589, 42.4683

Square

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



36.9008, 39.7589, 45.7737



38.6470, 39.7589, 45.9075



38.6926, 39.7589, 40.8991



36.9451, 39.7589, 40.7752

Rectangle

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



36.9008, 39.7589, 45.7737



37.8657, 39.7589, 46.9196



38.6926, 39.7589, 40.8991



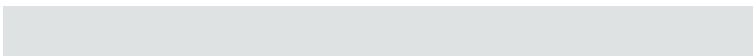
37.7137, 39.7589, 39.8539

Sweetspot

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



36.9019, 39.7606, 45.7746



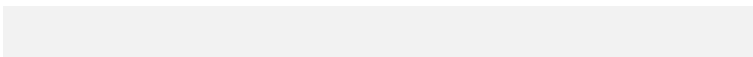
71.2786, 75.4781, 83.4488



36.5188, 40.5235, 40.9328



15.8625, 16.7913, 18.5493



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.



36.9019, 39.7606, 45.7746



65.6430, 71.1110, 82.9029



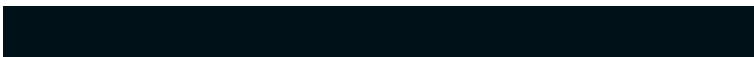
35.7366, 37.4298, 45.3861



8.0774, 8.7542, 10.2167



11.7597, 14.6532, 31.2531



0.3650, 0.4833, 0.8820

Inverse Universe

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



37.5519, 37.4294, 43.7755



67.0777, 66.0052, 78.4817



38.3233, 40.4408, 39.5048



8.2569, 8.1160, 9.6636



15.7994, 7.7823, 17.1208



0.4586, 0.2241, 0.5768

Previews

White Background



This preview shows how the XYZ color 36.9008, 39.7589, 45.7737 looks on a white background.

Color Contrast Check

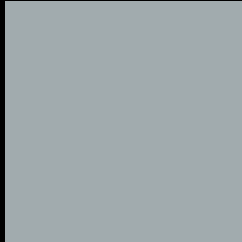
Large Text (above 18pt) WCAG AA × Fail

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 36.9008, 39.7589, 45.7737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

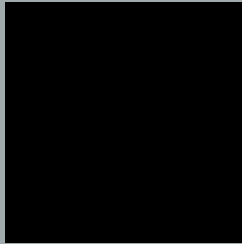
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

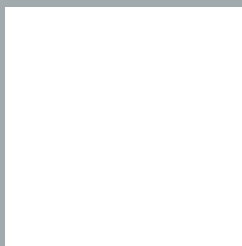
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9008, 39.7589, 45.7737

Background



This preview shows how black text looks on a background with the XYZ color 36.9008, 39.7589, 45.7737.



This preview shows how white text looks on a background with the XYZ color 36.9008, 39.7589,

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

36.9008, 39.7589, 45.7737

Protanopia

38.2436, 39.6417, 44.6657

Deuteranopia

40.3047, 39.5911, 46.0750



Tritanopia

38.0262, 39.9549, 50.5076

Trichromacy



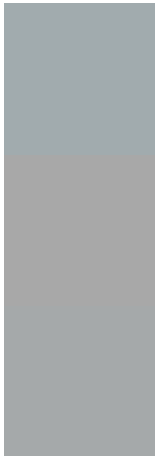
Original Color
36.9008, 39.7589, 45.7737

Protanomaly
37.6671, 39.6086, 45.1951

Deuteranomaly
39.0121, 39.7312, 46.1702

Tritanomaly
37.5132, 39.7261, 48.8708

Monochromacy



Original Color
36.9008, 39.7589, 45.7737

Achromatopsia
37.2190, 39.1572, 42.6422

Achromatomaly
36.9607, 39.2775, 43.6635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9008, 39.7589, 45.7737 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(161, 171, 174) looks like.

```
.text, #text, p{  
    color:rgb(161, 171, 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(161, 171, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 171, 174) }
```

Border

The CSS property to change the border of an element to XYZ 36.9008, 39.7589, 45.7737 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(161, 171, 174) }
```


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

```
.border{ border-color:rgb(161, 171, 174) }
```

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

Here you see how a box with a 4 pixel rgb(161, 171, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 171, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 171, 174);  
box-shadow:4px 4px 4px 4px rgb(161, 171,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9008, 39.7589, 45.7737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 171, 174) }
```

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

```
.background{ background-color: rgb(161,  
171, 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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor