

Converting Colors

XYZ(37.1082, 39.2209, 45.7465)

Have a look what the booklet for
XYZ(37.1082, 39.2209, 45.7465)
contains.

XYZ(37.1378, 39.3244, 45.6774)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.1378, 39.3244,
45.6774)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A9AE
RGB	164, 169, 174
RGB Percent	64%, 66%, 68%
CMY	0.3569, 0.3372, 0.3176
CMYK	0.06, 0.03, 0.00, 0.32
HSL	210°, 6%, 66%
HSV	210°, 6%, 68%
XYZ	37.1378, 39.3244, 45.6774
YIQ	168.0750, -4.5850, 0.4950

Conversions

Conversions Part 2

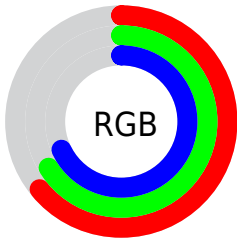
Format	Color
RYB	164, 167, 174
Decimal	10791342
CIELab	68.99, -0.78, -3.19
CIELCh	69, 3.287, 256.235
Yxy	39.3244, 0.3041, 0.3220
Android (android.graphics.Color)	4288981422 (0xFFA4A9AE)
YUV	168.0750, 2.9210, -3.5738
Hunter-Lab	62.7092, -4.0293, 0.7095

Details

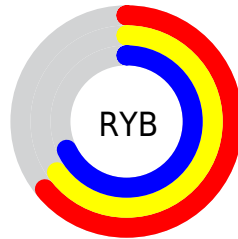
The XYZ color **37.1378, 39.3244, 45.6774** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.3446, 40.0547, 40.8330**, and the grayscale version is **37.2449, 39.1845, 42.6720**.

A 20% lighter version of the original color is **70.0119, 74.0285, 84.7277**, and **16.5562, 17.5725, 20.9316** is the 20% darker color. If you saturate the color by 10%, you get **32.2256, 34.4708, 45.0001**, and if you desaturate by 10%, it is **42.6512, 44.6498, 46.4153**.

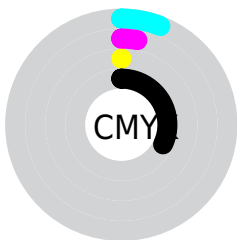
Distribution



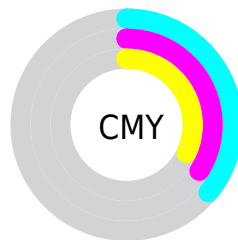
- Red (64%)
- Green (66%)
- Blue (68%)



- Red (64%)
- Yellow (65%)
- Blue (68%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (32%)



- Cyan (36%)
- Magenta (34%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1378, 39.3244, 45.6774 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 37.1378, 39.3244, 45.6774 by changing the saturation by 10% instead.

■ 37.1378, 39.3244,
45.6774

■ 37.1378, 39.3244,
45.6774

325.2519,
343.2677, 385.7500

■ 25.4884, 27.0122,
31.6445

■ 70.0971, 74.1336,
85.0652

■ 16.5719, 17.5824,
20.8275

■ 92.1377, 97.3994,
111.2571

■ 10.0232, 10.6506,
12.8080

118.3728,
125.0852, 142.3392

■ 5.4767, 5.8324,
7.1673

149.1676,
157.5754, 178.7299

■ 2.5672, 2.7434,
3.4869

184.8876,
195.2543, 220.8478

■ 0.9293, 0.9993,
1.3483

225.8980,

■ 0.0000, 0.0000,

238.5064, 269.1114

0.1009

272.5644,
287.7161, 323.9393

■ 0.0000, 0.0000,
0.0000

■ 37.1378, 39.3244,
45.6774

■ 37.1378, 39.3244,
45.6774

■ 32.2256, 34.4708,
45.0001

■ 42.6512, 44.6498,
46.4153

■ 27.8894, 30.0697,
44.3791

■ 48.7830, 50.4557,
47.2128

■ 24.1068, 26.1076,
43.8137

■ 55.5542, 56.7568,
48.0721

■ 20.8531, 22.5682,
43.3020

■ 62.9835, 63.5657,
48.9948

■ 18.1010, 19.4343,
42.8422

■ 71.0889, 70.8944,
49.9822

■ 15.8209, 16.6871,
42.4321

■ 74.7837, 76.1233,
50.7967

■ 13.9798, 14.3058,
42.0695

■ 77.1420, 80.8398,
51.5828

■ 12.5395, 12.2670,
41.7519

■ 79.6209, 85.7976,
52.4091

■ 11.4518, 10.5419,
41.4762

■ 82.2222, 91.0003,
53.2763

Harmonies

Analogous

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



36.6851, 39.3244, 44.9322



37.1378, 39.3244, 45.6774



37.6586, 39.3244, 45.6439

Triad

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



37.1378, 39.3244, 45.6774



38.3509, 39.3244, 42.0171



36.6548, 39.3244, 40.8554

Complementary

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



37.1378, 39.3244, 45.6774



38.3446, 40.0547, 40.8330

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.



37.0961, 39.3244, 40.1105



37.1378, 39.3244, 45.6774



38.0769, 39.3244, 40.7704

Square

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



37.1378, 39.3244, 45.6774



38.3623, 39.3244, 43.5068



37.6165, 39.3244, 40.0797



36.4080, 39.3244, 42.1357

Rectangle

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



37.1378, 39.3244, 45.6774



37.9745, 39.3244, 45.1838



37.6165, 39.3244, 40.0797



36.7852, 39.3244, 40.5354

Sweetspot

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



37.1389, 39.3261, 45.6783



70.9477, 74.8163, 83.3385



37.5924, 41.0236, 43.3918



15.7929, 16.6520, 18.5261



84.5950, 89.0005, 96.9216



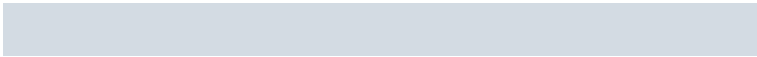
16.2198, 17.0645, 18.5832

Same Dimension

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



37.1389, 39.3261, 45.6783



66.0747, 70.0701, 82.6793



36.2558, 37.5599, 45.3839



8.1076, 8.6008, 10.1855



8.0752, 7.2843, 30.0249



0.2794, 0.3122, 0.8535

Inverse Universe

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



37.8933, 38.4150, 42.9556



67.7604, 68.0579, 76.5903



39.2609, 41.8874, 41.1385



8.3243, 8.3428, 9.4026



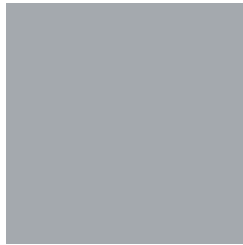
13.9396, 7.0384, 7.3276



0.4154, 0.2069, 0.3494

Previews

White Background



This preview shows how the XYZ color 37.1378, 39.3244, 45.6774 looks on a white background.

Color Contrast Check

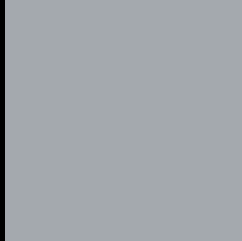
Large Text (above 18pt) WCAG AA × Fail

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 37.1378, 39.3244, 45.6774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

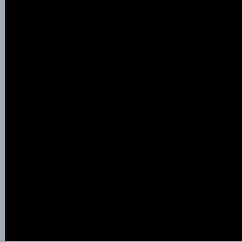
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

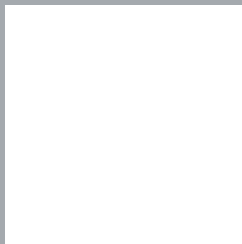
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1378, 39.3244, 45.6774

Background



This preview shows how black text looks on a background with the XYZ color 37.1378, 39.3244, 45.6774.



This preview shows how white text looks on a background with the XYZ color 37.1378, 39.3244,

45.6774.

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

37.1378, 39.3244, 45.6774

Protanopia

37.9391, 39.2006, 45.1020

Deuteranopia

39.8911, 39.1133, 46.0046



Tritanopia

37.8602, 39.3408, 49.3141

Trichromacy



Original Color

37.1378, 39.3244, 45.6774

Protanomaly

37.6939, 39.3472, 45.1433

Deuteranomaly

38.8722, 39.1194, 46.0594

Tritanomaly

37.5556, 39.2189, 47.7101

Monochromacy



Original Color

37.1378, 39.3244, 45.6774

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.1947, 39.1230, 43.6213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1378, 39.3244, 45.6774 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(164, 169, 174)` looks like.

```
.text, #text, p{  
    color:rgb(164, 169, 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(164, 169, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 169, 174) }
```

Border

The CSS property to change the border of an element to XYZ 37.1378, 39.3244, 45.6774 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(164, 169, 174) }
```


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

```
.border{ border-color:rgb(164, 169, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 169, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 169, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 169, 174);  
box-shadow:4px 4px 4px 4px rgb(164, 169,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1378, 39.3244, 45.6774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 169, 174) }
```

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

```
.background{ background-color: rgb(164,  
169, 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