

Converting Colors

XYZ(37.4417, 39.8348, 45.7412)

Have a look what the booklet for
XYZ(37.4417, 39.8348, 45.7412)
contains.

XYZ(37.3245, 39.6980, 45.7397)	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(37.3245, 39.6980,
45.7397)**

Conversions

Conversions Part 1

Format	Color
Hex	A4AAAE
RGB	164, 170, 174
RGB Percent	64%, 67%, 68%
CMY	0.3569, 0.3333, 0.3176
CMYK	0.06, 0.02, 0.00, 0.32
HSL	204°, 6%, 66%
HSV	204°, 6%, 68%
XYZ	37.3245, 39.6980, 45.7397
YIQ	168.6620, -4.8600, -0.0280

Conversions

Conversions Part 2

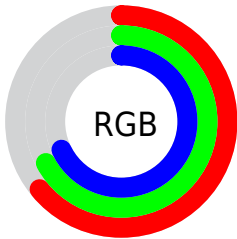
Format	Color
RYB	164, 168, 174
Decimal	10791598
CIELab	69.25, -1.33, -2.80
CIELCh	69, 3.096, 244.625
Yxy	39.6980, 0.3040, 0.3234
Android (android.graphics.Color)	4288981678 (0xFFA4AAAE)
YUV	168.6620, 2.6316, -4.0886
Hunter-Lab	63.0063, -4.5190, 1.0626

Details

The XYZ color **37.3245, 39.6980, 45.7397** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.1590, 39.6837, 40.7709**, and the grayscale version is **37.5352, 39.4900, 43.0046**.

A 20% lighter version of the original color is **70.2815, 74.5676, 84.8175**, and **16.6734, 17.8068, 20.9706** is the 20% darker color. If you saturate the color by 10%, you get **32.7073, 35.4343, 45.1607**, and if you desaturate by 10%, it is **42.5043, 44.3564, 46.3665**.

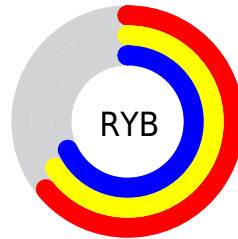
Distribution



Red (64%)

Green (67%)

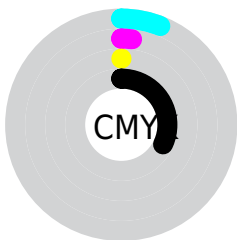
Blue (68%)



Red (64%)

Yellow (66%)

Blue (68%)

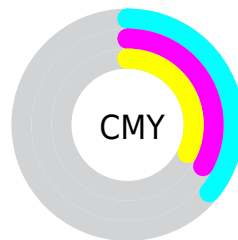


Cyan (6%)

Magenta (2%)

Yellow (0%)

Black (32%)



Cyan (36%)

Magenta (33%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3245, 39.6980, 45.7397 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 37.3245, 39.6980, 45.7397 by changing the saturation by 10% instead.

■ 37.3245, 39.6980,
45.7397

■ 37.3245, 39.6980,
45.7397

326.0445,
344.8490, 386.0083

■ 25.6337, 27.3032,
31.6933

■ 70.3822, 74.7034,
85.1595

■ 16.6810, 17.8010,
20.8645

■ 92.4797, 98.0828,
111.3699

■ 10.1012, 10.8072,
12.8347

118.7769,
125.8925, 142.4721

■ 5.5289, 5.9374,
7.1854

149.6391,
158.5168, 178.8846

■ 2.5987, 2.8070,
3.4981

185.4315,
196.3402, 221.0259

■ 0.9453, 1.0318,
1.3543

226.5197,

■ 0.0000, 0.0000,

239.7472, 269.3146

0.1057

273.2689,
289.1220, 324.1692

■ 0.0000, 0.0000,
0.0000

■ 37.3245, 39.6980,
45.7397

■ 37.3245, 39.6980,
45.7397

■ 32.7073, 35.4343,
45.1607

■ 42.5043, 44.3564,
46.3665

■ 28.6283, 31.5477,
44.6255

■ 48.2631, 49.4160,
47.0395

■ 25.0665, 28.0271,
44.1337

■ 54.6205, 54.8897,
47.7610

■ 21.9980, 24.8583,
43.6838

■ 61.5946, 60.7882,
48.5319

■ 19.3970, 22.0264,
43.2742

■ 69.2024, 67.1217,
49.3535

■ 17.2348, 19.5149,
42.9034

■ 72.3566, 71.2690,
49.9877

■ 15.4797, 17.3057,
42.5695

■ 74.1299, 74.8156,
50.5788

■ 14.0949, 15.3779,
42.2704

■ 75.9789, 78.5137,
51.1952

■ 13.0336, 13.7055,
42.0035

■ 77.9046, 82.3651,
51.8371

Harmonies

Analogous

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



36.9523, 39.6980, 44.7951



37.3245, 39.6980, 45.7397



37.8087, 39.6980, 46.0046

Triad

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



37.3245, 39.6980, 45.7397



38.6904, 39.6980, 43.0045



37.1924, 39.6980, 41.0153

Complementary

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



37.3245, 39.6980, 45.7397



38.1590, 39.6837, 40.7709

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.



37.6549, 39.6980, 40.5585



37.3245, 39.6980, 45.7397



38.5221, 39.6980, 41.6908

Square

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



37.3245, 39.6980, 45.7397



38.6001, 39.6980, 44.4056



38.1420, 39.6980, 40.8030



36.8765, 39.6980, 42.0643

Rectangle

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



37.3245, 39.6980, 45.7397



38.1306, 39.6980, 45.7554



38.1420, 39.6980, 40.8030



37.3357, 39.6980, 40.7885

Sweetspot

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



37.3256, 39.6997, 45.7406



71.0704, 75.0618, 83.3794



37.4988, 40.9862, 42.8996



15.8187, 16.7036, 18.5347



84.5950, 89.0005, 96.9216



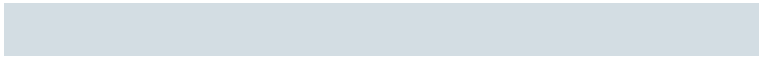
16.2198, 17.0645, 18.5832

Same Dimension

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



37.3256, 39.6997, 45.7406



66.4915, 70.9037, 82.8182



36.4355, 37.9194, 45.4439



8.1612, 8.7079, 10.2033



9.2243, 9.5825, 30.4079



0.3082, 0.3698, 0.8631

Inverse Universe

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



37.9876, 38.4525, 43.4522



67.9708, 68.1420, 77.6981



39.0686, 41.5029, 41.0741



8.3513, 8.3536, 9.5449



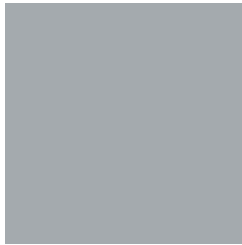
14.5197, 7.2704, 10.3819



0.4300, 0.2127, 0.4260

Previews

White Background



This preview shows how the XYZ color 37.3245, 39.6980, 45.7397 looks on a white background.

Color Contrast Check

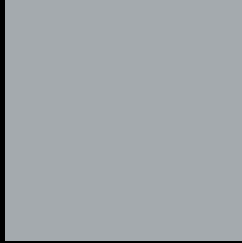
Large Text (above 18pt) WCAG AA × Fail

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 37.3245, 39.6980, 45.7397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

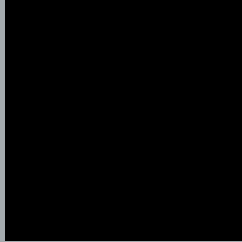
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3245, 39.6980, 45.7397

Background



This preview shows how black text looks on a background with the XYZ color 37.3245, 39.6980, 45.7397.



This preview shows how white text looks on a background with the XYZ color 37.3245, 39.6980,

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

37.3245, 39.6980, 45.7397

Protanopia

38.3400, 39.6803, 45.1735

Deuteranopia

40.3047, 39.5911, 46.0750



Tritanopia

38.1485, 39.7527, 49.9184

Trichromacy



Original Color

37.3245, 39.6980, 45.7397

Protanomaly

37.8792, 39.7179, 45.2050

Deuteranomaly

39.0533, 39.4815, 46.1198

Tritanomaly

37.8417, 39.6299, 48.3027

Monochromacy



Original Color

37.3245, 39.6980, 45.7397

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.4750, 39.5317, 44.1833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3245, 39.6980, 45.7397 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, 170, 174)` looks like.

```
.text, #text, p{  
    color:rgb(164, 170, 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, 170, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 170, 174) }
```

Border

The CSS property to change the border of an element to XYZ 37.3245, 39.6980, 45.7397 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, 170, 174) }
```


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

```
.border{ border-color:rgb(164, 170, 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, 170, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 170, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 170, 174);  
box-shadow:4px 4px 4px 4px rgb(164, 170,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3245, 39.6980, 45.7397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 170, 174) }
```

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

```
.background{ background-color: rgb(164,  
170, 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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