

Converting Colors

XYZ(36.9339, 40.4046, 45.5409)

Have a look what the booklet for
XYZ(36.9339, 40.4046, 45.5409)
contains.

XYZ(36.7845, 40.2752, 45.3703)	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(36.7845, 40.2752,
45.3703)**

Conversions

Conversions Part 1

Format	Color
Hex	9FADAD
RGB	159, 173, 173
RGB Percent	62%, 68%, 68%
CMY	0.3765, 0.3216, 0.3216
CMYK	0.08, 0.00, 0.00, 0.32
HSL	180°, 8%, 65%
HSV	180°, 8%, 68%
XYZ	36.7845, 40.2752, 45.3703
YIQ	168.8140, -8.3440, -2.9680

Conversions

Conversions Part 2

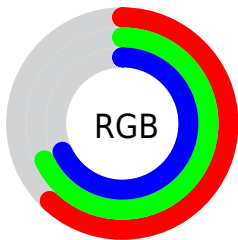
Format	Color
R _{YB}	159, 166, 173
Decimal	10464685
CIE Lab	69.67, -4.87, -1.68
CIE LCh	70, 5.157, 199.065
Yxy	40.2752, 0.3005, 0.3290
Android (android.graphics.Color)	4288654765 (0xFF9FADAD)
YUV	168.8140, 2.0637, -8.6069
Hunter-Lab	63.4627, -7.5970, 2.0368

Details

The XYZ color **36.7845, 40.2752, 45.3703** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.8912, 36.1849, 37.8955**, and the grayscale version is **37.6142, 39.5731, 43.0951**.

A 20% lighter version of the original color is **69.4785, 75.3844, 84.2875**, and **16.4729, 18.2434, 20.7423** is the 20% darker color. If you saturate the color by 10%, you get **33.5911, 38.6301, 45.2200**, and if you desaturate by 10%, it is **40.4604, 42.1713, 45.5448**.

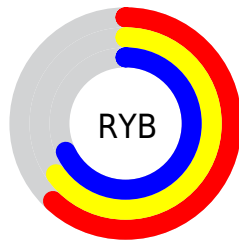
Distribution



Red (62%)

Green (68%)

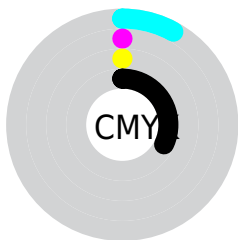
Blue (68%)



Red (62%)

Yellow (65%)

Blue (68%)

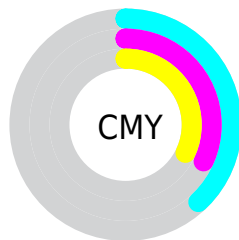


Cyan (8%)

Magenta (0%)

Yellow (0%)

Black (32%)



Cyan (38%)

Magenta (32%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7845, 40.2752, 45.3703 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 36.7845, 40.2752, 45.3703 by changing the saturation by 10% instead.

■ 36.7845, 40.2752,
45.3703

■ 36.7845, 40.2752,
45.3703

323.7483,
347.2821, 384.4750

■ 25.2136, 27.7532,
31.4041

■ 69.5572, 75.5824,
84.6001

■ 16.3658, 18.1397,
20.6457

■ 91.4897, 99.1364,
110.7009

■ 9.8759, 11.0503,
12.6766

117.6068,
127.1364, 141.6836

■ 5.3784, 6.1007,
7.0781

148.2738,
159.9670, 177.9667

■ 2.5080, 2.9064,
3.4318

183.8561,
198.0125, 219.9689

■ 0.8993, 1.0831,
1.3191

224.7191,

■ 0.0000, 0.0000,

241.6572, 268.1087

0.0774

271.2280,
291.2856, 322.8045

■ 0.0000, 0.0000,
0.0000

■ 36.7845, 40.2752,
45.3703

■ 36.7845, 40.2752,
45.3703

■ 33.5911, 38.6301,
45.2200

■ 40.4604, 42.1713,
45.5448

■ 30.8569, 37.2206,
45.0904

■ 44.6341, 44.3228,
45.7418

■ 28.5618, 36.0375,
44.9814

■ 49.3243, 46.7407,
45.9630

■ 26.6830, 35.0689,
44.8918

■ 54.5479, 49.4335,
46.2091

■ 25.1956, 34.3022,
44.8205

■ 60.3210, 52.4096,
46.4809

■ 24.0718, 33.7229,
44.7663

■ 63.7292, 54.1666,
46.6421

■ 23.2806, 33.3151,
44.7276

■ 63.7295, 54.1667,
46.6437

■ 22.7855, 33.0599,
44.7028

■ 63.7298, 54.1668,
46.6454

■ 22.5257, 32.9259,
44.6889

■ 63.7301, 54.1669,
46.6471

Harmonies

Analogous

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



36.7272, 40.2752, 42.9873



36.7845, 40.2752, 45.3703



37.2392, 40.2752, 47.4150

Triad

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



36.7845, 40.2752, 45.3703



39.5048, 40.2752, 46.9316



38.5854, 40.2752, 39.4960

Complementary

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



36.7845, 40.2752, 45.3703



35.8912, 36.1849, 37.8955

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.



39.3408, 40.2752, 40.4737



36.7845, 40.2752, 45.3703



39.8767, 40.2752, 44.7299

Square

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



36.7845, 40.2752, 45.3703



38.8066, 40.2752, 48.3388



39.8163, 40.2752, 42.3696



37.7589, 40.2752, 39.6534

Rectangle

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



36.7845, 40.2752, 45.3703



37.7102, 40.2752, 48.2841



39.8163, 40.2752, 42.3696



38.8563, 40.2752, 39.7014

Sweetspot

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



36.7857, 40.2769, 45.3712



69.7606, 74.1320, 81.4373



35.5472, 39.7869, 38.6077



15.1770, 16.1190, 17.6989



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



36.7857, 40.2769, 45.3712



64.6179, 71.4809, 81.1942



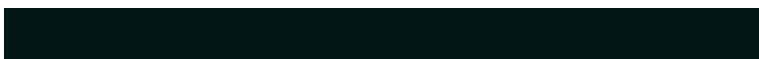
35.5208, 37.7467, 44.9508



8.2363, 9.0721, 10.2693



16.5173, 24.1722, 32.8276



0.4595, 0.6725, 0.9133

Inverse Universe

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



35.8912, 36.1849, 37.8955



62.6322, 62.3961, 64.5975



37.0869, 38.5766, 38.2930



8.0053, 8.0154, 8.3389



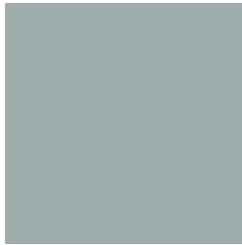
12.6608, 6.5269, 0.5933



0.3522, 0.1816, 0.0166

Previews

White Background



This preview shows how the XYZ color 36.7845, 40.2752, 45.3703 looks on a white background.

Color Contrast Check

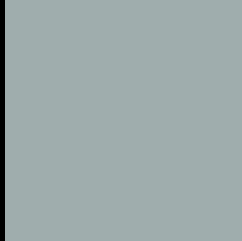
Large Text (above 18pt) WCAG AA × Fail

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 36.7845, 40.2752, 45.3703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

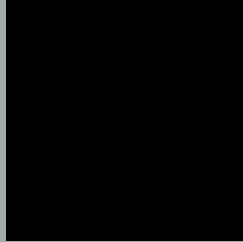
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7845, 40.2752, 45.3703

Background



This preview shows how black text looks on a background with the XYZ color 36.7845, 40.2752, 45.3703.

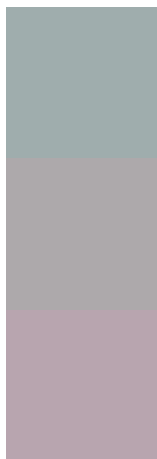


This preview shows how white text looks on a background with the XYZ color 36.7845, 40.2752,

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

36.7845, 40.2752, 45.3703

Protanopia

38.7722, 40.2004, 44.2440

Deuteranopia

40.9602, 40.1958, 46.1572



Tritanopia

38.0178, 40.2057, 51.6557

Trichromacy



Original Color

36.7845, 40.2752, 45.3703

Protanomaly

37.9696, 40.0528, 44.7595

Deuteranomaly

39.3218, 40.1752, 45.7265

Tritanomaly

37.5902, 40.3148, 49.5164

Monochromacy



Original Color

36.7845, 40.2752, 45.3703

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.1475, 39.6511, 43.7257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7845, 40.2752, 45.3703 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(159, 173, 173)` looks like.

```
.text, #text, p{  
    color:rgb(159, 173, 173)  
}
```

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(159, 173, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 173, 173) }
```

Border

The CSS property to change the border of an element to XYZ 36.7845, 40.2752, 45.3703 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(159, 173, 173) }
```


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

```
.border{ border-color:rgb(159, 173, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 173, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 173, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 173, 173);  
box-shadow:4px 4px 4px 4px rgb(159, 173,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7845, 40.2752, 45.3703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 173, 173) }
```

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

```
.background{ background-color: rgb(159,  
173, 173) }
```

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