

Converting Colors

XYZ(37.6731, 40.1651, 45.5569)

Have a look what the booklet for
XYZ(37.6731, 40.1651, 45.5569)
contains.

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Color

**XYZ(37.7199, 40.1811,
45.8121)**

Conversions

Conversions Part 1

Format	Color
Hex	A5ABAE
RGB	165, 171, 174
RGB Percent	65%, 67%, 68%
CMY	0.3529, 0.3294, 0.3176
CMYK	0.05, 0.02, 0.00, 0.32
HSL	200°, 5%, 66%
HSV	200°, 5%, 68%
XYZ	37.7199, 40.1811, 45.8121
YIQ	169.5480, -4.5390, -0.3390

Conversions

Conversions Part 2

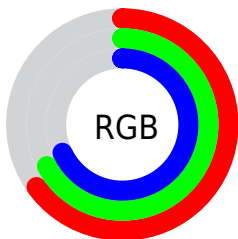
Format	Color
R _Y B	165, 169, 174
Decimal	10857390
CIE Lab	69.60, -1.52, -2.28
CIE LCh	70, 2.744, 236.288
Yxy	40.1811, 0.3049, 0.3248
Android (android.graphics.Color)	4289047470 (0xFFA5ABAE)
YUV	169.5480, 2.1948, -3.9886
Hunter-Lab	63.3886, -4.7121, 1.5220

Details

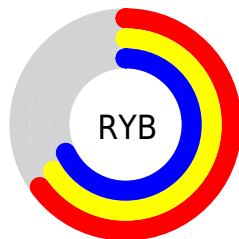
The XYZ color **37.7199, 40.1811, 45.8121** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.2498, 39.7202, 41.2487**, and the grayscale version is **37.9756, 39.9533, 43.5091**.

A 20% lighter version of the original color is **70.8544, 75.2655, 84.9220**, and **16.9197, 18.1095, 21.0161** is the 20% darker color. If you saturate the color by 10%, you get **33.2737, 36.3006, 45.2980**, and if you desaturate by 10%, it is **42.7088, 44.4149, 46.3670**.

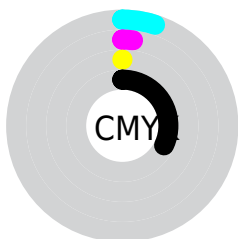
Distribution



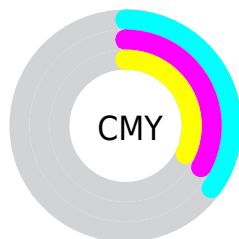
- Red (65%)
- Green (67%)
- Blue (68%)



- Red (65%)
- Yellow (66%)
- Blue (68%)



- Cyan (5%)
- Magenta (2%)
- Yellow (0%)
- Black (32%)



- Cyan (35%)
- Magenta (33%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7199, 40.1811, 45.8121 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 37.7199, 40.1811, 45.8121 by changing the saturation by 10% instead.

■ 37.7199, 40.1811,
45.8121

■ 37.7199, 40.1811,
45.8121

327.7186,
346.8863, 386.3083

■ 25.9416, 27.6798,
31.7500

■ 70.9853, 75.4392,
85.2690

■ 16.9124, 18.0844,
20.9074

■ 93.2031, 98.9648,
111.5009

■ 10.2670, 11.0106,
12.8657

119.6314,
126.9339, 142.6265

■ 5.6399, 6.0740,
7.2065

150.6356,
159.7309, 179.0643

■ 2.6660, 2.8901,
3.5112

186.5811,
197.7403, 221.2328

■ 0.9797, 1.0746,
1.3612

227.8332,

■ 0.0000, 0.0000,

241.3464, 269.5506

0.1112

274.7572,
290.9336, 324.4363

■ 0.0000, 0.0000,
0.0000

■ 37.7199, 40.1811,
45.8121

■ 37.7199, 40.1811,
45.8121

■ 33.2737, 36.3006,
45.2980

■ 42.7088, 44.4149,
46.3670

■ 29.3464, 32.7568,
44.8210

■ 48.2563, 49.0076,
46.9611

■ 25.9174, 29.5393,
44.3807

■ 54.3816, 53.9713,
47.5963

■ 22.9636, 26.6353,
43.9759

■ 61.1023, 59.3157,
48.2737

■ 20.4595, 24.0307,
43.6051

■ 68.4348, 65.0502,
48.9941

■ 18.3774, 21.7101,
43.2669

■ 70.8968, 68.3493,
49.5011

■ 16.6861, 19.6566,
42.9597

■ 72.3156, 71.1871,
49.9741

■ 15.3498, 17.8506,
42.6815

■ 73.7865, 74.1288,
50.4644

■ 14.3243, 16.2684,
42.4302

■ 75.3098, 77.1755,
50.9721

Harmonies

Analogous

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



37.4320, 40.1811, 44.8402



37.7199, 40.1811, 45.8121



38.1358, 40.1811, 46.2313

Triad

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



37.7199, 40.1811, 45.8121



39.0476, 40.1811, 43.9086



37.8148, 40.1811, 41.5985

Complementary

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



37.7199, 40.1811, 45.8121



38.2498, 39.7202, 41.2487

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.



38.2461, 40.1811, 41.3598



37.7199, 40.1811, 45.8121



38.9601, 40.1811, 42.6784

Square

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



37.7199, 40.1811, 45.8121



38.9042, 40.1811, 45.1190



38.6659, 40.1811, 41.7515



37.4864, 40.1811, 42.4097

Rectangle

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



37.7199, 40.1811, 45.8121



38.4304, 40.1811, 46.1351



38.6659, 40.1811, 41.7515



37.9524, 40.1811, 41.4493

Sweetspot

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



37.7211, 40.1828, 45.8130



71.1524, 75.2256, 83.4067



37.7076, 41.0937, 42.9176



15.8360, 16.7381, 18.5405



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.



37.7211, 40.1828, 45.8130



67.6272, 72.2026, 83.0090



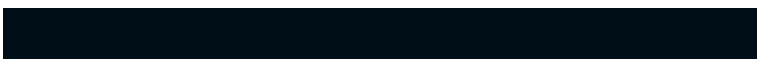
36.9123, 38.5653, 45.5434



8.2931, 8.8628, 10.2263



10.1317, 11.3972, 30.7104



0.3293, 0.4120, 0.8702

Inverse Universe

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



38.2622, 38.8499, 44.0122



68.7814, 69.3752, 79.1649



39.0669, 41.3544, 41.5210



8.4446, 8.4928, 9.7218



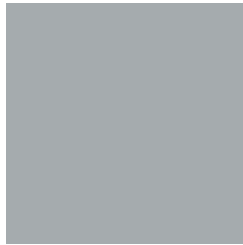
14.9777, 7.4536, 12.7937



0.4406, 0.2169, 0.4821

Previews

White Background



This preview shows how the XYZ color 37.7199, 40.1811, 45.8121 looks on a white background.

Color Contrast Check

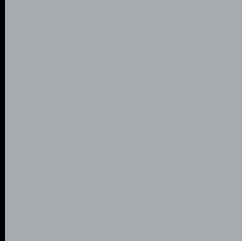
Large Text (above 18pt) WCAG AA × Fail

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 37.7199, 40.1811, 45.8121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

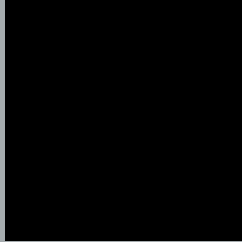
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

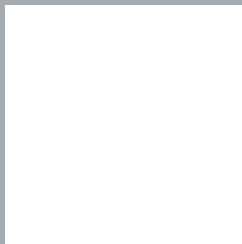
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7199, 40.1811, 45.8121

Background



This preview shows how black text looks on a background with the XYZ color 37.7199, 40.1811, 45.8121.



This preview shows how white text looks on a background with the XYZ color 37.7199, 40.1811,

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

37.7199, 40.1811, 45.8121

Protanopia

38.7440, 40.1637, 45.2455

Deuteranopia

40.9602, 40.1958, 46.1572



Tritanopia

38.6479, 40.2753, 50.5367

Trichromacy



Original Color

37.7199, 40.1811, 45.8121

Protanomaly

38.2797, 40.2016, 45.2773

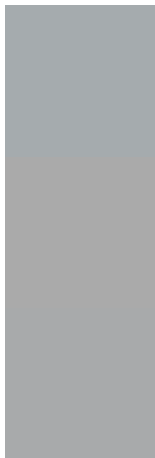
Deuteranomaly

39.6880, 40.0797, 46.2018

Tritanomaly

38.3388, 40.1517, 48.9094

Monochromacy



Original Color

37.7199, 40.1811, 45.8121

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.8739, 40.0146, 44.2555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7199, 40.1811, 45.8121 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(165, 171, 174) looks like.

```
.text, #text, p{  
    color:rgb(165, 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(165, 171, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 171, 174) }
```

Border

The CSS property to change the border of an element to XYZ 37.7199, 40.1811, 45.8121 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(165, 171, 174) }
```


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

```
.border{ border-color:rgb(165, 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(165, 171, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 171, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 171, 174);  
box-shadow:4px 4px 4px 4px rgb(165, 171,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7199, 40.1811, 45.8121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 171, 174) }
```

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

```
.background{ background-color: rgb(165,  
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](#).

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