

Converting Colors

XYZ(38.1117, 41.6620, 45.7455)

Have a look what the booklet for
XYZ(38.1117, 41.6620, 45.7455)
contains.

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Color

**XYZ(37.9771, 41.4636,
45.5368)**

Conversions

Conversions Part 1

Format	Color
Hex	A3AFAD
RGB	163, 175, 173
RGB Percent	64%, 69%, 68%
CMY	0.3608, 0.3137, 0.3216
CMYK	0.07, 0.00, 0.01, 0.31
HSL	170°, 7%, 66%
HSV	170°, 7%, 69%
XYZ	37.9771, 41.4636, 45.5368
YIQ	171.1840, -6.5100, -3.1660

Conversions

Conversions Part 2

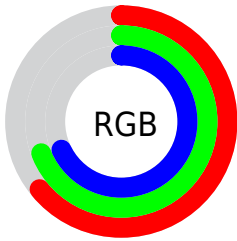
Format	Color
RYB	163, 170, 175
Decimal	10727341
CIELab	70.50, -4.57, -0.43
CIELCh	70, 4.594, 185.348
Yxy	41.4636, 0.3039, 0.3318
Android (android.graphics.Color)	4288917421 (0xFFA3AFAD)
YUV	171.1840, 0.8953, -7.1774
Hunter-Lab	64.3922, -7.4111, 3.1460

Details

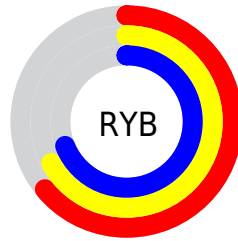
The XYZ color **37.9771, 41.4636, 45.5368** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.5695, 38.0262, 40.9591**, and the grayscale version is **38.8001, 40.8207, 44.4538**.

A 20% lighter version of the original color is **71.4929, 77.6587, 84.6203**, and **17.0897, 18.9259, 20.8415** is the 20% darker color. If you saturate the color by 10%, you get **34.3597, 39.6322, 43.9092**, and if you desaturate by 10%, it is **42.0989, 43.5566, 47.2219**.

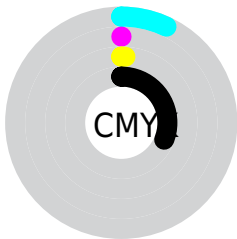
Distribution



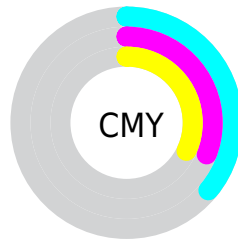
- Red (64%)
- Green (69%)
- Blue (68%)



- Red (64%)
- Yellow (67%)
- Blue (69%)



- Cyan (7%)
- Magenta (0%)
- Yellow (1%)
- Black (31%)



- Cyan (36%)
- Magenta (31%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9771, 41.4636, 45.5368 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 37.9771, 41.4636, 45.5368 by changing the saturation by 10% instead.

■ 37.9771, 41.4636,
45.5368

■ 37.9771, 41.4636,
45.5368

328.8043,
352.2545, 385.1666

■ 26.1420, 28.6815,
31.5344

■ 71.3772, 77.3872,
84.8523

■ 17.0632, 18.8400,
20.7443

■ 93.6729, 101.2974,
111.0026

■ 10.3751, 11.5547,
12.7478

120.1862,
129.6858, 142.0392

■ 5.7125, 6.4413,
7.1264

151.2825,
162.9369, 178.3807

■ 2.7101, 3.1152,
3.4616

187.3271,
201.4348, 220.4456

■ 1.0024, 1.1922,
1.3349

228.6853,

■ 0.0000, 0.0553,

245.5642, 268.6526

0.0901

275.7226,
295.7093, 323.4201

■ 0.0000, 0.0000,
0.0000

■ 37.9771, 41.4636,
45.5368

■ 37.9771, 41.4636,
45.5368

■ 34.3597, 39.6322,
43.9092

■ 42.0989, 43.5566,
47.2219

■ 31.2229, 38.0467,
42.3354

■ 46.7408, 45.9158,
48.9630

■ 28.5462, 36.6977,
40.8149

■ 51.9219, 48.5523,
50.7619

■ 26.3063, 35.5732,
39.3464

■ 57.6595, 51.4750,
52.6197

■ 24.4777, 34.6600,
37.9287

■ 63.9701, 54.6923,
54.5374

■ 23.0324, 33.9437,
36.5601

■ 65.9222, 55.6621,
56.2844

■ 21.9388, 33.4080,
35.2389

■ 66.2458, 55.7915,
57.9885

■ 21.1601, 33.0340,
33.9633

■ 66.5759, 55.9235,
59.7266

■ 20.6440, 32.7947,
32.7305

■ 66.9124, 56.0581,
61.4987

Harmonies

Analogous

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



38.1006, 41.4636, 43.4287



37.9771, 41.4636, 45.5368



38.2335, 41.4636, 47.6040

Triad

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



37.9771, 41.4636, 45.5368



40.2588, 41.4636, 48.6363



40.0207, 41.4636, 41.4599

Complementary

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



37.9771, 41.4636, 45.5368



37.5695, 38.0262, 40.9591

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.



40.6102, 41.4636, 42.7757



37.9771, 41.4636, 45.5368



40.7489, 41.4636, 46.9096

Square

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



37.9771, 41.4636, 45.5368



39.5458, 41.4636, 49.4297



40.8783, 41.4636, 44.7591



39.2743, 41.4636, 41.1187

Rectangle

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



37.9771, 41.4636, 45.5368



38.5873, 41.4636, 48.6668



40.8783, 41.4636, 44.7591



40.2441, 41.4636, 41.8008

Sweetspot

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



37.9783, 41.4654, 45.5377



71.4596, 76.0070, 82.9946



37.5009, 41.3269, 40.6515



15.9006, 16.9025, 18.4538



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.



37.9783, 41.4654, 45.5377



67.1354, 73.8136, 81.1735



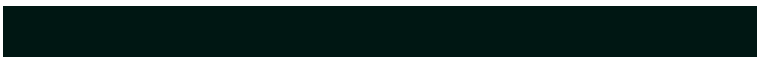
37.4442, 40.0847, 46.3231



8.1781, 9.0488, 9.9627



14.7021, 23.4461, 23.2686



0.4240, 0.6582, 0.7262

Inverse Universe

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



37.5695, 38.0262, 40.9591



66.2742, 66.5672, 71.5265



38.0736, 39.3239, 40.2347



8.0577, 8.0363, 8.6149



12.8373, 6.5974, 1.5225



0.3732, 0.1900, 0.1270

Previews

White Background



This preview shows how the XYZ color 37.9771, 41.4636, 45.5368 looks on a white background.

Color Contrast Check

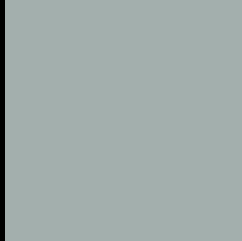
Large Text (above 18pt) WCAG AA × Fail

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 37.9771, 41.4636, 45.5368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

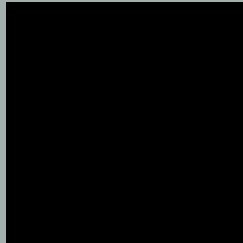
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

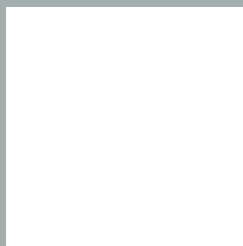
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.9771, 41.4636, 45.5368

Background



This preview shows how black text looks on a background with the XYZ color 37.9771, 41.4636, 45.5368.



This preview shows how white text looks on a background with the XYZ color 37.9771, 41.4636,

45.5368.

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

37.9771, 41.4636, 45.5368

Protanopia

39.5928, 41.1801, 44.3899

Deuteranopia

42.2956, 41.4239, 46.3238



Tritanopia

39.4303, 41.4743, 52.9409

Trichromacy



Original Color

37.9771, 41.4636, 45.5368

Protanomaly

38.9935, 41.1415, 44.9157

Deuteranomaly

40.6051, 41.3891, 45.8932

Tritanomaly

38.8894, 41.5420, 50.2247

Monochromacy



Original Color

37.9771, 41.4636, 45.5368

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.3474, 40.8084, 44.8854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9771, 41.4636, 45.5368 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(163, 175, 173)` looks like.

```
.text, #text, p{  
    color:rgb(163, 175, 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(163, 175, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 175, 173) }
```

Border

The CSS property to change the border of an element to XYZ 37.9771, 41.4636, 45.5368 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(163, 175, 173) }
```


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

```
.border{ border-color:rgb(163, 175, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 175, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 175, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 175, 173);  
box-shadow:4px 4px 4px 4px rgb(163, 175,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9771, 41.4636, 45.5368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 175, 173) }
```

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

```
.background{ background-color: rgb(163,  
175, 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](#).

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