

Converting Colors

XYZ(38.5648, 42.6120, 45.1609)

Have a look what the booklet for
XYZ(38.5648, 42.6120, 45.1609)
contains.

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Color

**XYZ(38.6766, 42.7119,
45.2355)**

Conversions

Conversions Part 1

Format	Color
Hex	A4B2AC
RGB	164, 178, 172
RGB Percent	64%, 70%, 67%
CMY	0.3569, 0.3019, 0.3255
CMYK	0.08, 0.00, 0.03, 0.30
HSL	154°, 8%, 67%
HSV	154°, 8%, 70%
XYZ	38.6766, 42.7119, 45.2355
YIQ	173.1300, -6.4180, -4.8340

Conversions

Conversions Part 2

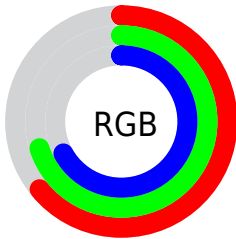
Format	Color
RYB	164, 173, 178
Decimal	10793644
CIELab	71.36, -6.03, 1.38
CIELCh	71, 6.188, 167.074
Yxy	42.7119, 0.3054, 0.3373
Android (android.graphics.Color)	4288983724 (0xFFA4B2AC)
YUV	173.1300, -0.5571, -8.0070
Hunter-Lab	65.3543, -8.7341, 4.7100

Details

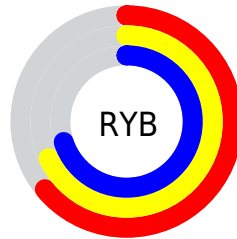
The XYZ color **38.6766, 42.7119, 45.2355** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.8928, 38.9192, 43.4944**, and the grayscale version is **39.7929, 41.8652, 45.5912**.

A 20% lighter version of the original color is **72.5014, 79.4518, 84.1875**, and **17.4059, 19.4680, 20.6096** is the 20% darker color. If you saturate the color by 10%, you get **34.5454, 40.6656, 41.3263**, and if you desaturate by 10%, it is **43.3665, 45.0437, 49.3924**.

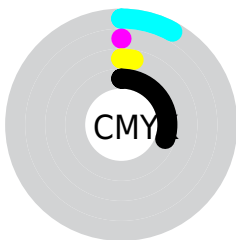
Distribution



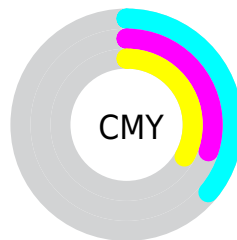
- Red (64%)
- Green (70%)
- Blue (67%)



- Red (64%)
- Yellow (68%)
- Blue (70%)



- Cyan (8%)
- Magenta (0%)
- Yellow (3%)
- Black (30%)



- Cyan (36%)
- Magenta (30%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6766, 42.7119, 45.2355 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 38.6766, 42.7119, 45.2355 by changing the saturation by 10% instead.

■ 38.6766, 42.7119,
45.2355

■ 38.6766, 42.7119,
45.2355

331.7445,
357.4256, 383.9144

■ 26.6878, 29.6591,
31.2987

■ 72.4412, 79.2759,
84.3959

■ 17.4743, 19.5800,
20.5660

■ 94.9478, 103.5560,
110.4565

■ 10.6706, 12.0901,
12.6190

121.6911,
132.3472, 141.3955

■ 5.9115, 6.8051,
7.0391

153.0363,
166.0341, 177.6313

■ 2.8315, 3.3405,
3.4077

189.3489,
205.0010, 219.5826

■ 1.0653, 1.3120,
1.3064

230.9942,

■ 0.0000, 0.1504,

249.6323, 267.6679

0.0670

278.3376,
300.3124, 322.3056

■ 0.0000, 0.0000,
0.0000

■ 38.6766, 42.7119,
45.2355

■ 38.6766, 42.7119,
45.2355

■ 34.5454, 40.6656,
41.3263

■ 43.3665, 45.0437,
49.3924

■ 30.9473, 38.8882,
37.6571

■ 48.6322, 47.6662,
53.7986

■ 27.8601, 37.3695,
34.2242

■ 54.4945, 50.5912,
58.4594

■ 25.2586, 36.0966,
31.0225

■ 60.9720, 53.8283,
63.3793

■ 23.1153, 35.0553,
28.0468

■ 68.0825, 57.3866,
68.5622

■ 21.3999, 34.2302,
25.2915

■ 69.7880, 58.1532,
73.7289

■ 20.0781, 33.6036,
22.7509

■ 70.8087, 58.5615,
79.1035

■ 19.1101, 33.1553,
20.4187

■ 71.8759, 58.9883,
84.7233

■ 18.4333, 32.8528,
18.2875

■ 72.9902, 59.4341,
90.5914

Harmonies

Analogous

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



39.1483, 42.7119, 42.7102



38.6766, 42.7119, 45.2355



38.7129, 42.7119, 48.2095

Triad

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



38.6766, 42.7119, 45.2355



41.1869, 42.7119, 52.2038



41.9749, 42.7119, 42.4335

Complementary

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



38.6766, 42.7119, 45.2355



38.8928, 38.9192, 43.4944

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.



42.5400, 42.7119, 44.8431



38.6766, 42.7119, 45.2355



42.0797, 42.7119, 50.5203

Square

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



38.6766, 42.7119, 45.2355



40.1503, 42.7119, 52.3199



42.5787, 42.7119, 47.8001



41.0458, 42.7119, 41.1396

Rectangle

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



38.6766, 42.7119, 45.2355



39.0203, 42.7119, 50.0481



42.5787, 42.7119, 47.8001



42.2144, 42.7119, 43.1351

Sweetspot

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



38.6778, 42.7137, 45.2364



74.9698, 79.8554, 86.3698



39.2147, 43.0766, 41.3702



16.6300, 17.7021, 19.1533



86.6293, 91.1408, 99.2523



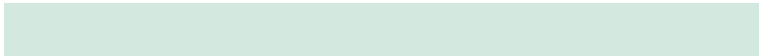
17.0014, 17.8868, 19.4787

Same Dimension

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



38.6778, 42.7137, 45.2364



69.1145, 76.9477, 81.0905



39.0825, 42.5794, 48.2805



8.5856, 9.5687, 10.0774



13.1284, 23.4773, 12.9450



0.4416, 0.7501, 0.5575

Inverse Universe

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



38.8928, 38.9192, 43.4944



69.5643, 69.0086, 77.4458



38.5053, 39.0325, 40.6270



8.6425, 8.5637, 9.6160



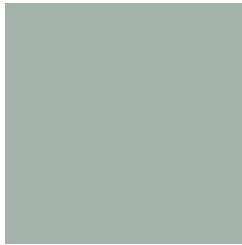
14.1081, 7.1608, 5.7293



0.4733, 0.2371, 0.3353

Previews

White Background



This preview shows how the XYZ color 38.6766, 42.7119, 45.2355 looks on a white background.

Color Contrast Check

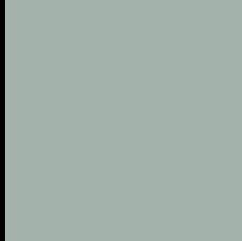
Large Text (above 18pt) WCAG AA × Fail

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 38.6766, 42.7119, 45.2355 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

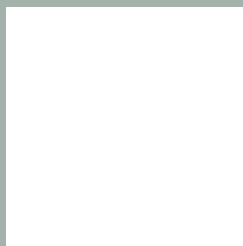
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6766, 42.7119, 45.2355

Background



This preview shows how black text looks on a background with the XYZ color 38.6766, 42.7119, 45.2355.



This preview shows how white text looks on a background with the XYZ color 38.6766, 42.7119,

45.2355.

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

38.6766, 42.7119, 45.2355

Protanopia

40.9822, 42.7581, 44.1234

Deuteranopia

43.3138, 42.5083, 45.9664



Tritanopia

40.4516, 42.5496, 54.2250

Trichromacy



Original Color

38.6766, 42.7119, 45.2355

Protanomaly

40.1362, 42.5989, 44.6351

Deuteranomaly

41.3514, 42.3459, 45.5293

Tritanomaly

39.7985, 42.5766, 50.9202

Monochromacy



Original Color

38.6766, 42.7119, 45.2355

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.4504, 42.2231, 45.6058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6766, 42.7119, 45.2355 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, 178, 172)` looks like.

```
.text, #text, p{  
    color:rgb(164, 178, 172)  
}
```

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, 178, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 178, 172) }
```

Border

The CSS property to change the border of an element to XYZ 38.6766, 42.7119, 45.2355 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, 178, 172) }
```


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

```
.border{ border-color:rgb(164, 178, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 178, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 178, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 178, 172);  
box-shadow:4px 4px 4px 4px rgb(164, 178,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6766, 42.7119, 45.2355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 178, 172) }
```

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

```
.background{ background-color: rgb(164,  
178, 172) }
```

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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