

Converting Colors

XYZ(42.3698, 44.9855, 50.7066)

Have a look what the booklet for
XYZ(42.3698, 44.9855, 50.7066)
contains.

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Color

**XYZ(42.4440, 45.1339,
50.7306)**

Conversions

Conversions Part 1

Format	Color
Hex	AFB4B6
RGB	175, 180, 182
RGB Percent	69%, 71%, 71%
CMY	0.3137, 0.2941, 0.2863
CMYK	0.04, 0.01, 0.00, 0.29
HSL	197°, 5%, 70%
HSV	197°, 4%, 71%
XYZ	42.4440, 45.1339, 50.7306
YIQ	178.7330, -3.6220, -0.4380

Conversions

Conversions Part 2

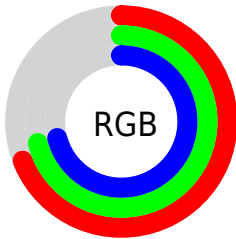
Format	Color
RYB	175, 178, 182
Decimal	11515062
CIELab	72.98, -1.36, -1.63
CIELCh	73, 2.126, 230.256
Yxy	45.1339, 0.3069, 0.3263
Android (android.graphics.Color)	4289705142 (0xFFAFB4B6)
YUV	178.7330, 1.6106, -3.2738
Hunter-Lab	67.1818, -4.7956, 2.2559

Details

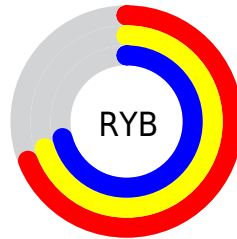
The XYZ color **42.4440, 45.1339, 50.7306** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.7516, 44.4841, 46.8913**, and the grayscale version is **42.6998, 44.9235, 48.9217**.

A 20% lighter version of the original color is **78.3831, 83.1529, 92.8078**, and **19.7202, 20.9747, 23.7780** is the 20% darker color. If you saturate the color by 10%, you get **37.6029, 41.1123, 50.2102**, and if you desaturate by 10%, it is **47.8775, 49.5217, 51.2918**.

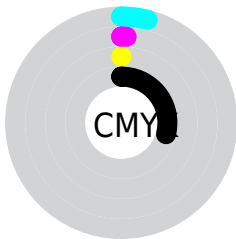
Distribution



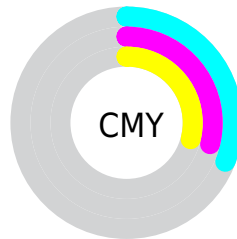
- Red (69%)
- Green (71%)
- Blue (71%)



- Red (69%)
- Yellow (70%)
- Blue (71%)



- Cyan (4%)
- Magenta (1%)
- Yellow (0%)
- Black (29%)



- Cyan (31%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4440, 45.1339, 50.7306 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 42.4440, 45.1339, 50.7306 by changing the saturation by 10% instead.

■ 42.4440, 45.1339,
50.7306

■ 42.4440, 45.1339,
50.7306

347.2806,
367.3156, 406.3328

■ 29.6417, 31.5629,
35.6190

■ 78.1321, 82.9213,
92.6639

■ 19.7135, 21.0279,
23.8527

101.7487,
107.9065, 120.3226

■ 12.2940, 13.1444,
15.0132

129.7007,
137.4652, 153.0008

■ 7.0179, 7.5280,
8.6819

162.3536,
171.9819, 191.1170

■ 3.5197, 3.7945,
4.4403

200.0727,
211.8409, 235.0898

■ 1.4342, 1.5593,
1.8699

243.2233,

■ 0.2804, 0.3299,

257.4265, 285.3377

0.4735

292.1708,
309.1233, 342.2792

■ 0.0000, 0.0000,
0.0000

■ 42.4440, 45.1339,
50.7306

■ 42.4440, 45.1339,
50.7306

■ 37.6029, 41.1123,
50.2102

■ 47.8775, 49.5217,
51.2918

■ 33.3281, 37.4391,
49.7265

■ 53.9207, 54.2814,
51.8920

■ 29.5971, 34.1033,
49.2793

■ 60.5948, 59.4259,
52.5333

■ 26.3845, 31.0911,
48.8672

■ 67.9188, 64.9656,
53.2165

■ 23.6624, 28.3875,
48.4888

■ 71.7468, 68.7638,
53.7479

■ 21.4007, 25.9762,
48.1426

■ 73.0173, 71.3048,
54.1714

■ 19.5653, 23.8391,
47.8268

■ 74.3295, 73.9292,
54.6088

■ 18.1171, 21.9552,
47.5395

■ 75.6838, 76.6378,
55.0602

■ 17.0092, 20.2998,
47.2784

■ 77.0805, 79.4312,
55.5258

Harmonies

Analogous

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



42.2327, 45.1339, 49.8538



42.4440, 45.1339, 50.7306



42.7778, 45.1339, 51.1840

Triad

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



42.4440, 45.1339, 50.7306



43.6052, 45.1339, 49.4897



42.6520, 45.1339, 47.2516

Complementary

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



42.4440, 45.1339, 50.7306



42.7516, 44.4841, 46.8913

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.



43.0193, 45.1339, 47.1573



42.4440, 45.1339, 50.7306



43.5711, 45.1339, 48.4393

Square

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



42.4440, 45.1339, 50.7306



43.4492, 45.1339, 50.4608



43.3561, 45.1339, 47.5892



42.3523, 45.1339, 47.8486

Rectangle

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



42.4440, 45.1339, 50.7306



43.0255, 45.1339, 51.1808



43.3561, 45.1339, 47.5892



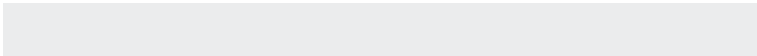
42.7716, 45.1339, 47.1603

Sweetspot

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



42.4453, 45.1358, 50.7316



79.6278, 84.0116, 92.2547



42.3420, 45.7442, 48.1849



17.5985, 18.5647, 20.3774



88.6918, 93.3107, 101.6153



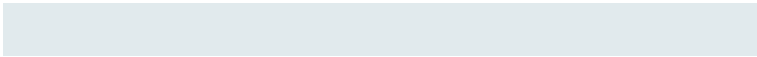
17.8044, 18.7317, 20.3988

Same Dimension

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



42.4453, 45.1358, 50.7316



75.8072, 80.8909, 91.8538



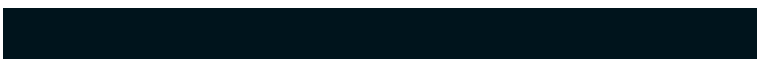
41.7503, 43.7459, 50.4999



9.4632, 10.1125, 11.5326



11.6660, 13.7916, 33.3003



0.4612, 0.5861, 1.1906

Inverse Universe

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



42.8606, 43.9013, 49.3971



76.7974, 77.9662, 88.6679



43.4490, 45.8790, 47.1238



9.6000, 9.7094, 11.0921



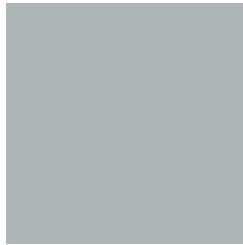
16.5021, 8.1746, 15.7969



0.6069, 0.2983, 0.6896

Previews

White Background



This preview shows how the XYZ color 42.4440, 45.1339, 50.7306 looks on a white background.

Color Contrast Check

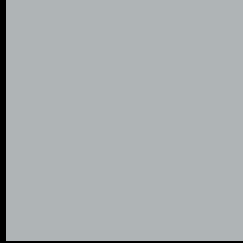
Large Text (above 18pt) WCAG AA × Fail

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 42.4440, 45.1339, 50.7306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

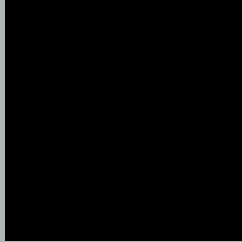
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

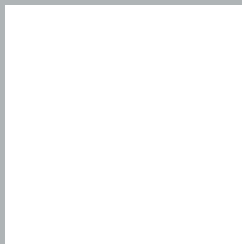
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4440, 45.1339, 50.7306

Background



This preview shows how black text looks on a background with the XYZ color 42.4440, 45.1339, 50.7306.

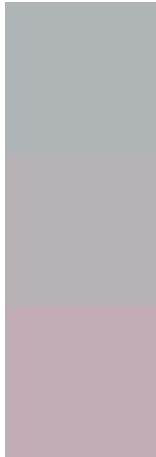


This preview shows how white text looks on a background with the XYZ color 42.4440, 45.1339,

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

42.4440, 45.1339, 50.7306

Protanopia

43.5523, 45.1221, 50.1300

Deuteranopia

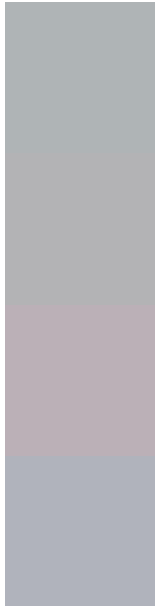
45.7389, 44.7754, 51.0316



Tritanopia

43.5663, 44.9937, 56.2576

Trichromacy



Original Color

42.4440, 45.1339, 50.7306

Protanomaly

43.0510, 45.1601, 50.1638

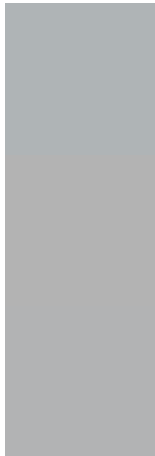
Deuteranomaly

44.5661, 45.0344, 51.1434

Tritanomaly

43.1017, 45.1011, 54.0106

Monochromacy



Original Color

42.4440, 45.1339, 50.7306

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.7184, 45.0005, 49.6145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4440, 45.1339, 50.7306 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(175, 180, 182)` looks like.

```
.text, #text, p{  
    color:rgb(175, 180, 182)  
}
```

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(175, 180, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 180, 182) }
```

Border

The CSS property to change the border of an element to XYZ 42.4440, 45.1339, 50.7306 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(175, 180, 182) }
```


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

```
.border{ border-color:rgb(175, 180, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 180, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 180, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 180, 182);  
box-shadow:4px 4px 4px 4px rgb(175, 180,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4440, 45.1339, 50.7306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 180, 182) }
```

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

```
.background{ background-color: rgb(175,  
180, 182) }
```

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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