

Converting Colors

XYZ(42.7841, 45.7603, 44.7007)

Have a look what the booklet for
XYZ(42.7841, 45.7603, 44.7007)
contains.

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Color

**XYZ(42.8356, 45.7738,
44.6078)**

Conversions

Conversions Part 1

Format	Color
Hex	B5B5AA
RGB	181, 181, 170
RGB Percent	71%, 71%, 67%
CMY	0.2902, 0.2902, 0.3333
CMYK	0.00, 0.00, 0.06, 0.29
HSL	60°, 7%, 69%
HSV	60°, 6%, 71%
XYZ	42.8356, 45.7738, 44.6078
YIQ	179.7460, 3.5310, -3.4210

Conversions

Conversions Part 2

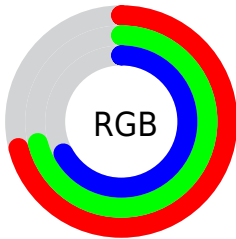
Format	Color
RYB	170, 181, 170
Decimal	11908522
CIELab	73.40, -1.99, 5.59
CIELCh	73, 5.938, 109.594
Yxy	45.7738, 0.3215, 0.3436
Android (android.graphics.Color)	4290098602 (0xFFB5B5AA)
YUV	179.7460, -4.8048, 1.0998
Hunter-Lab	67.6563, -5.3840, 8.2678

Details

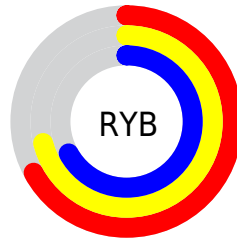
The XYZ color **42.8356, 45.7738, 44.6078** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **39.2947, 40.6330, 49.4904**, and the grayscale version is **43.2709, 45.5244, 49.5760**.

A 20% lighter version of the original color is **78.7998, 84.0091, 83.2964**, and **19.8913, 21.3355, 20.2093** is the 20% darker color. If you saturate the color by 10%, you get **41.2389, 45.1364, 36.2019**, and if you desaturate by 10%, it is **44.6706, 46.5095, 54.2574**.

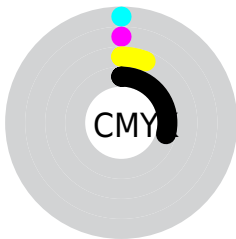
Distribution



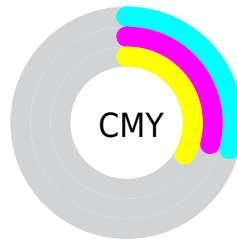
- Red (71%)
- Green (71%)
- Blue (67%)



- Red (67%)
- Yellow (71%)
- Blue (67%)



- Cyan (0%)
- Magenta (0%)
- Yellow (6%)
- Black (29%)



- Cyan (29%)
- Magenta (29%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8356, 45.7738, 44.6078 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 42.8356, 45.7738, 44.6078 by changing the saturation by 10% instead.

■ 42.8356, 45.7738,
44.6078

■ 42.8356, 45.7738,
44.6078

348.8682,
369.8985, 381.2965

■ 29.9501, 32.0674,
30.8079

■ 78.7200, 83.8804,
83.4438

■ 19.9486, 21.4130,
20.1954

102.4496,
109.0493, 109.3169

■ 12.4657, 13.4262,
12.3517

130.5246,
138.8078, 140.0516

■ 7.1361, 7.7227,
6.8582

163.3103,
173.5404, 176.0663

■ 3.5945, 3.9180,
3.2965

201.1722,
213.6313, 217.7796

■ 1.4754, 1.6278,
1.2479

244.4756,

■ 0.3090, 0.3762,

259.4650, 265.6101

0.0186

293.5858,
311.4260, 319.9762

■ 0.0000, 0.0000,
0.0000

■ 42.8356, 45.7738,
44.6078

■ 42.8356, 45.7738,
44.6078

■ 41.2389, 45.1364,
36.2019

■ 44.6706, 46.5095,
54.2574

■ 39.8672, 44.5876,
28.9864

■ 46.7492, 47.3411,
65.1953

■ 38.7115, 44.1251,
22.9084

■ 49.0812, 48.2740,
77.4675

■ 37.7608, 43.7447,
17.9098

■ 51.6747, 49.3116,
91.1169

■ 37.0031, 43.4414,
13.9275

■ 53.6385, 50.0973,
101.4504

■ 36.4252, 43.2101,
10.8920

■ 53.6400, 50.0981,
101.4505

■ 36.0122, 43.0447,
8.7247

■ 53.6415, 50.0988,
101.4506

■ 35.7467, 42.9384,
7.3348

■ 53.6429, 50.0996,
101.4506

■ 35.6065, 42.8821,
6.6042

■ 53.6444, 50.1004,
101.4507

Harmonies

Analogous

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



43.8709, 45.7738, 44.3864



42.8356, 45.7738, 44.6078



41.9930, 45.7738, 46.1986

Triad

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



42.8356, 45.7738, 44.6078



42.2159, 45.7738, 54.3561



45.5150, 45.7738, 50.8875

Complementary

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



42.8356, 45.7738, 44.6078



39.2947, 40.6330, 49.4904

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.



45.0562, 45.7738, 53.6677



42.8356, 45.7738, 44.6078



43.1444, 45.7738, 55.7228

Square

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



42.8356, 45.7738, 44.6078



41.6392, 45.7738, 51.7967



44.1846, 45.7738, 55.4659



45.4291, 45.7738, 47.9330

Rectangle

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



42.8356, 45.7738, 44.6078



41.6486, 45.7738, 47.8583



44.1846, 45.7738, 55.4659



45.4191, 45.7738, 51.8754

Sweetspot

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



42.8369, 45.7758, 44.6088



77.9924, 82.4897, 86.6067



40.6880, 41.4766, 43.8922



16.8646, 17.8320, 18.7588



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.



42.8369, 45.7758, 44.6088



76.3993, 81.8523, 78.2243



41.5730, 45.1242, 44.5496



9.2640, 9.9334, 9.4337



24.5180, 29.5496, 4.4114



0.7715, 0.9298, 0.1388

Inverse Universe

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



39.2947, 40.6330, 49.4904



69.0237, 71.1440, 88.3888



40.5083, 41.2586, 49.5472



8.3288, 8.5756, 10.7226



5.7504, 2.3003, 30.2779



0.1810, 0.0724, 0.9527

Previews

White Background



This preview shows how the XYZ color 42.8356, 45.7738, 44.6078 looks on a white background.

Color Contrast Check

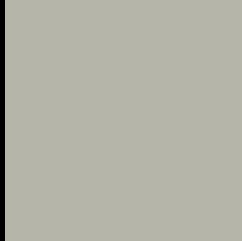
Large Text (above 18pt) WCAG AA × Fail

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 42.8356, 45.7738, 44.6078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

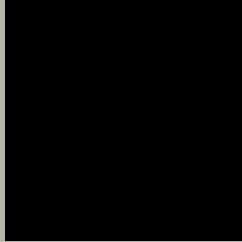
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

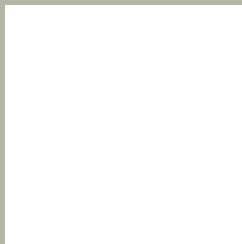
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8356, 45.7738, 44.6078

Background



This preview shows how black text looks on a background with the XYZ color 42.8356, 45.7738, 44.6078.



This preview shows how white text looks on a background with the XYZ color 42.8356, 45.7738,

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

42.8356, 45.7738, 44.6078

Protanopia

43.5312, 45.5439, 44.0326

Deuteranopia

46.5741, 45.6299, 44.8808



Tritanopia

45.2020, 45.8369, 56.3342

Trichromacy



Original Color

42.8356, 45.7738, 44.6078

Protanomaly

43.2499, 45.6974, 44.0771

Deuteranomaly

45.3210, 45.8539, 44.9901

Tritanomaly

44.3003, 45.7682, 51.8467

Monochromacy



Original Color

42.8356, 45.7738, 44.6078

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.9801, 45.4804, 47.5876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8356, 45.7738, 44.6078 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(181, 181, 170)` looks like.

```
.text, #text, p{  
    color:rgb(181, 181, 170)  
}
```

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(181, 181, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 181, 170) }
```

Border

The CSS property to change the border of an element to XYZ 42.8356, 45.7738, 44.6078 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(181, 181, 170) }
```


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

```
.border{ border-color:rgb(181, 181, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 181, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 181, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 181, 170);  
box-shadow:4px 4px 4px 4px rgb(181, 181,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8356, 45.7738, 44.6078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 181, 170) }
```

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

```
.background{ background-color: rgb(181,  
181, 170) }
```

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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