

Converting Colors

XYZ(42.7424, 45.4280, 38.8939)

Have a look what the booklet for
XYZ(42.7424, 45.4280, 38.8939)
contains.

XYZ(42.7425, 45.5502, 38.8871)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.7425, 45.5502,
38.8871)**

Conversions

Conversions Part 1

Format	Color
Hex	BAB49E
RGB	186, 180, 158
RGB Percent	73%, 71%, 62%
CMY	0.2706, 0.2941, 0.3804
CMYK	0.00, 0.03, 0.15, 0.27
HSL	47°, 17%, 67%
HSV	47°, 15%, 73%
XYZ	42.7425, 45.5502, 38.8871
YIQ	179.2860, 10.6380, -5.5700

Conversions

Conversions Part 2

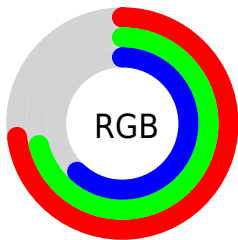
Format	Color
R _Y B	166, 186, 158
Decimal	12235934
CIE Lab	73.25, -1.64, 11.99
CIE LCh	73, 12.097, 97.795
Yxy	45.5502, 0.3361, 0.3582
Android (android.graphics.Color)	4290426014 (0xFFBAB49E)
YUV	179.2860, -10.4940, 5.8882
Hunter-Lab	67.4909, -5.0636, 13.0817

Details

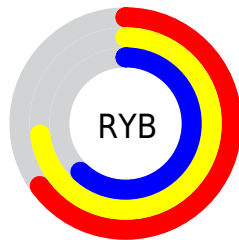
The XYZ color **42.7425, 45.5502, 38.8871** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **36.2389, 37.3645, 51.7568**, and the grayscale version is **43.0515, 45.2936, 49.3247**.

A 20% lighter version of the original color is **78.6236, 83.6722, 74.9572**, and **19.9161, 21.2268, 16.9574** is the 20% darker color. If you saturate the color by 10%, you get **40.4690, 43.3740, 30.8193**, and if you desaturate by 10%, it is **45.2840, 47.8736, 48.2409**.

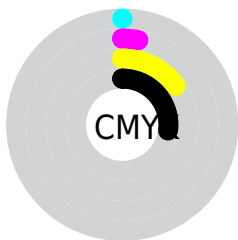
Distribution



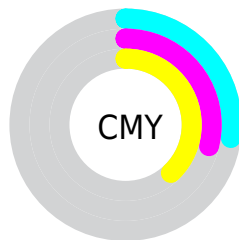
- Red (73%)
- Green (71%)
- Blue (62%)



- Red (65%)
- Yellow (73%)
- Blue (62%)



- Cyan (0%)
- Magenta (3%)
- Yellow (15%)
- Black (27%)





- Cyan (27%)
- Magenta (29%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7425, 45.5502, 38.8871 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 42.7425, 45.5502, 38.8871 by changing the saturation by 10% instead.


 42.7425, 45.5502,
38.8871

 42.7425, 45.5502,
38.8871


348.4912,
368.9973, 356.8219

 29.8768, 31.8910,
26.3648


 78.5803, 83.5454,
74.6843

 19.8927, 21.2783,
16.8685

 102.2830,
108.6503, 98.7961

 12.4249, 13.3276,
9.9798


130.3289,
138.3391, 127.6083

 7.1080, 7.6545,
5.2801

163.0831,
172.9964, 161.5392

 3.5767, 3.8747,
2.3510

200.9111,
213.0064, 201.0075

 1.4655, 1.6037,
0.7596

244.1782,

 0.3022, 0.3601,

258.7537, 246.4317

0.0000

293.2498,
310.6225, 298.2303

■ 0.0000, 0.0000,
0.0000

■ 42.7425, 45.5502,
38.8871

■ 42.7425, 45.5502,
38.8871

■ 40.4690, 43.3740,
30.8193

■ 45.2840, 47.8736,
48.2409

■ 38.4486, 41.3343,
23.9772

■ 48.1001, 50.3425,
58.9313

■ 36.6709, 39.4280,
18.3004

■ 51.2018, 52.9633,
71.0100

■ 35.1228, 37.6496,
13.7218

■ 54.5984, 55.7400,
84.5248

■ 33.7901, 35.9931,
10.1676

■ 58.2987, 58.6763,
99.5213

■ 32.6570, 34.4518,
7.5551

■ 59.8699, 60.7994,
103.1877

■ 31.7051, 33.0181,
5.7883

■ 60.8283, 62.7161,
103.5072

■ 30.9119, 31.6826,
4.7503

■ 61.8110, 64.6815,
103.8347

■ 30.5547, 31.0488,
4.3826

■ 62.8183, 66.6961,
104.1705

Harmonies

Analogous

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



44.8559, 45.5502, 39.5363



42.7425, 45.5502, 38.8871



40.8391, 45.5502, 40.9160

Triad

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



42.7425, 45.5502, 38.8871



40.1464, 45.5502, 57.1155



47.1865, 45.5502, 54.1493

Complementary

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



42.7425, 45.5502, 38.8871



36.2389, 37.3645, 51.7568

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.



45.8456, 45.5502, 59.4251



42.7425, 45.5502, 38.8871



41.7689, 45.5502, 61.2329

Square

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



42.7425, 45.5502, 38.8871



39.3725, 45.5502, 51.1999



43.8504, 45.5502, 62.1109



47.4678, 45.5502, 48.0268

Rectangle

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



42.7425, 45.5502, 38.8871



39.9295, 45.5502, 43.6203



43.8504, 45.5502, 62.1109



46.8426, 45.5502, 56.0948

Sweetspot

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



42.7437, 45.5522, 38.8881



82.0650, 86.7603, 87.3853



39.1840, 37.5762, 40.3419



17.9969, 19.0387, 18.9629



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



42.7437, 45.5522, 38.8881



76.0854, 81.2565, 65.4909



42.1063, 47.0597, 39.2126



9.5826, 10.1681, 9.5645



20.6122, 21.0008, 2.9672



0.7680, 0.8230, 0.1184

Inverse Universe

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



36.2389, 37.3645, 51.7568



62.0755, 63.6230, 93.2101



36.8023, 36.0994, 51.4829



8.6729, 9.0230, 11.3639



6.5152, 3.4902, 31.5834



0.2754, 0.2145, 1.1286

Previews

White Background



This preview shows how the XYZ color 42.7425, 45.5502, 38.8871 looks on a white background.

Color Contrast Check

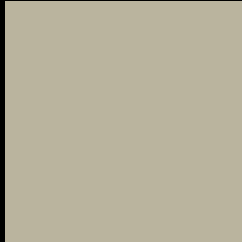
Large Text (above 18pt) WCAG AA × Fail

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 42.7425, 45.5502, 38.8871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

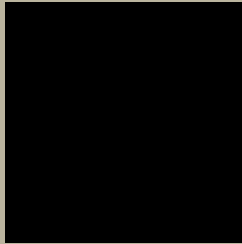
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

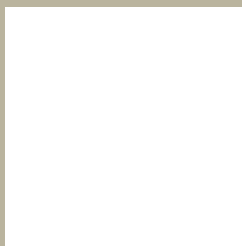
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7425, 45.5502, 38.8871

Background



This preview shows how black text looks on a background with the XYZ color 42.7425, 45.5502, 38.8871.



This preview shows how white text looks on a background with the XYZ color 42.7425, 45.5502,

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

42.7425, 45.5502, 38.8871

Protanopia

43.0307, 45.4002, 38.8429

Deuteranopia

46.3784, 45.3695, 39.1137



Tritanopia

45.7505, 45.2812, 54.4730

Trichromacy



Original Color

42.7425, 45.5502, 38.8871

Protanomaly

42.7852, 45.2736, 38.8314

Deuteranomaly

45.0720, 45.5596, 39.2192

Tritanomaly

44.7443, 45.4775, 48.5392

Monochromacy



Original Color

42.7425, 45.5502, 38.8871

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.7622, 45.1256, 44.9844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7425, 45.5502, 38.8871 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(186, 180, 158)` looks like.

```
.text, #text, p{  
    color:rgb(186, 180, 158)  
}
```

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(186, 180, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 180, 158) }
```

Border

The CSS property to change the border of an element to XYZ 42.7425, 45.5502, 38.8871 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(186, 180, 158) }
```


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

```
.border{ border-color:rgb(186, 180, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 180, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 180, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 180, 158);  
box-shadow:4px 4px 4px 4px rgb(186, 180,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7425, 45.5502, 38.8871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 180, 158) }
```

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

```
.background{ background-color: rgb(186,  
180, 158) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor