

Converting Colors

XYZ(42.7679, 48.6318, 45.8019)

Have a look what the booklet for
XYZ(42.7679, 48.6318, 45.8019)
contains.

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Color

**XYZ(42.7774, 48.5378,
45.6422)**

Conversions

Conversions Part 1

Format	Color
Hex	ACBEAB
RGB	172, 190, 171
RGB Percent	67%, 75%, 67%
CMY	0.3255, 0.2549, 0.3294
CMYK	0.09, 0.00, 0.10, 0.25
HSL	117°, 13%, 71%
HSV	117°, 10%, 75%
XYZ	42.7774, 48.5378, 45.6422
YIQ	182.4520, -4.6290, -9.7250

Conversions

Conversions Part 2

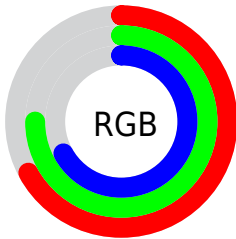
Format	Color
RYB	171, 190, 189
Decimal	11321003
CIELab	75.16, -9.77, 7.50
CIELCh	75, 12.315, 142.500
Yxy	48.5378, 0.3123, 0.3544
Android (android.graphics.Color)	4289511083 (0xFFACBEAB)
YUV	182.4520, -5.6458, -9.1664
Hunter-Lab	69.6691, -12.3204, 9.9258

Details

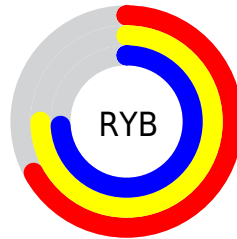
The XYZ color **42.7774, 48.5378, 45.6422** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.8453, 43.6636, 54.7820**, and the grayscale version is **44.7426, 47.0727, 51.2622**.

A 20% lighter version of the original color is **78.3618, 87.7334, 84.7556**, and **20.0212, 23.2163, 20.8787** is the 20% darker color. If you saturate the color by 10%, you get **37.4085, 45.9659, 36.6069**, and if you desaturate by 10%, it is **48.9446, 51.4939, 56.0760**.

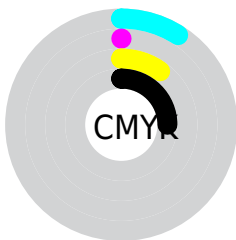
Distribution



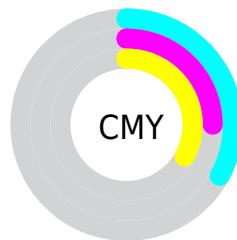
- Red (67%)
- Green (75%)
- Blue (67%)



- Red (67%)
- Yellow (75%)
- Blue (74%)



- Cyan (9%)
- Magenta (0%)
- Yellow (10%)
- Black (25%)




- Cyan (33%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7774, 48.5378, 45.6422 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 42.7774, 48.5378, 45.6422 by changing the saturation by 10% instead.


 42.7774, 48.5378,
45.6422

 42.7774, 48.5378,
45.6422


348.6326,
380.9199, 385.6040

 29.9043, 34.2530,
31.6169


 78.6326, 88.0046,
85.0119

 19.9136, 23.0880,
20.8067

102.3455,
113.9554, 111.1934

 12.4402, 14.6585,
12.7929


130.4022,
144.5636, 142.2641

 7.1185, 8.5801,
7.1571

163.1683,
180.2136, 178.6425

 3.5833, 4.4683,
3.4806

201.0090,
221.2898, 220.7472

 1.4692, 1.9388,
1.3450

244.2897,

 0.3047, 0.5716,

268.1767, 268.9966

0.0982

293.3758,
321.2586, 323.8094

■ 0.0000, 0.0000,
0.0000

■ 42.7774, 48.5378,
45.6422

■ 42.7774, 48.5378,
45.6422

■ 37.4085, 45.9659,
36.6069

■ 48.9446, 51.4939,
56.0760

■ 32.8014, 43.7564,
28.9075

■ 55.9365, 54.8426,
67.9606

■ 28.9227, 41.8951,
22.4818

■ 63.7835, 58.5997,
81.3499

■ 25.7353, 40.3642,
17.2611

■ 72.5131, 62.7782,
96.2938

■ 23.1983, 39.1443,
13.1703

■ 77.7044, 65.3087,
103.1181

■ 21.2670, 38.2140,
10.1259

■ 19.8907, 37.5494,
8.0330

■ 19.0107, 37.1226,
6.7794

■ 18.5395, 36.8933,
6.1440

Harmonies

Analogous

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



44.4937, 48.5378, 42.1835



42.7774, 48.5378, 45.6422



41.9656, 48.5378, 51.2445

Triad

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



42.7774, 48.5378, 45.6422



45.5699, 48.5378, 66.1469



50.2582, 48.5378, 48.2367

Complementary

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



42.7774, 48.5378, 45.6422



44.8453, 43.6636, 54.7820

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.



50.5691, 48.5378, 54.4874



42.7774, 48.5378, 45.6422



47.8136, 48.5378, 65.1769

Square

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



42.7774, 48.5378, 45.6422



43.5433, 48.5378, 63.3300



49.6612, 48.5378, 60.7780



48.8249, 48.5378, 43.5941

Rectangle

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



42.7774, 48.5378, 45.6422



42.0273, 48.5378, 55.5840



49.6612, 48.5378, 60.7780



50.4993, 48.5378, 50.2060

Sweetspot

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



42.7787, 48.5399, 45.6433



85.1295, 91.6042, 95.5777



46.7282, 50.1703, 45.7498



18.4901, 20.0179, 20.6433



92.9021, 97.7402, 106.4391



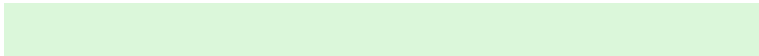
19.4759, 20.4902, 22.3138

Same Dimension

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



42.7787, 48.5399, 45.6433



75.2619, 86.8761, 78.9042



43.3699, 48.7511, 49.8971



9.4540, 10.6729, 10.1384



12.3480, 24.5415, 4.0862



0.4998, 0.9696, 0.1608

Inverse Universe

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



44.8453, 43.6636, 54.7820



79.7598, 76.2624, 98.7954



44.2192, 43.4420, 50.1858



9.8790, 9.6700, 12.0180



18.7177, 8.9354, 33.1311



0.7485, 0.3579, 1.2985

Previews

White Background



This preview shows how the XYZ color 42.7774, 48.5378, 45.6422 looks on a white background.

Color Contrast Check

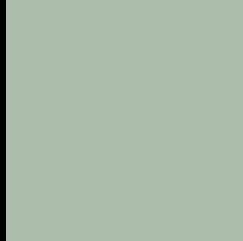
Large Text (above 18pt) WCAG AA × Fail

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 42.7774, 48.5378, 45.6422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

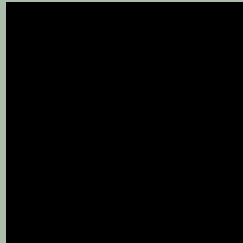
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

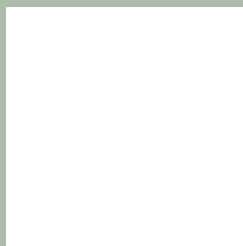
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7774, 48.5378, 45.6422

Background



This preview shows how black text looks on a background with the XYZ color 42.7774, 48.5378, 45.6422.



This preview shows how white text looks on a background with the XYZ color 42.7774, 48.5378,

45.6422.

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

42.7774, 48.5378, 45.6422

Protanopia

45.9466, 48.3146, 43.9498

Deuteranopia

49.1953, 48.1233, 46.2310



Tritanopia

46.1157, 48.6351, 61.6005

Trichromacy



Original Color

42.7774, 48.5378, 45.6422

Protanomaly

44.7279, 48.2967, 44.5009

Deuteranomaly

46.4225, 47.9038, 45.8294

Tritanomaly

44.6348, 48.3287, 55.1200

Monochromacy



Original Color

42.7774, 48.5378, 45.6422

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.7449, 47.3773, 48.9586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7774, 48.5378, 45.6422 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(172, 190, 171)` looks like.

```
.text, #text, p{  
    color:rgb(172, 190, 171)  
}
```

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(172, 190, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 190, 171) }
```

Border

The CSS property to change the border of an element to XYZ 42.7774, 48.5378, 45.6422 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(172, 190, 171) }
```


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

```
.border{ border-color:rgb(172, 190, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 190, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 190, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 190, 171);  
box-shadow:4px 4px 4px 4px rgb(172, 190,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7774, 48.5378, 45.6422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 190, 171) }
```

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

```
.background{ background-color: rgb(172,  
190, 171) }
```

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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