

Converting Colors

XYZ(42.7183, 47.1464, 45.7860)

Have a look what the booklet for
XYZ(42.7183, 47.1464, 45.7860)
contains.

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Color

**XYZ(42.6845, 47.2103,
45.8925)**

Conversions

Conversions Part 1

Format	Color
Hex	AFBAAC
RGB	175, 186, 172
RGB Percent	69%, 73%, 67%
CMY	0.3137, 0.2706, 0.3255
CMYK	0.06, 0.00, 0.08, 0.27
HSL	107°, 9%, 70%
HSV	107°, 8%, 73%
XYZ	42.6845, 47.2103, 45.8925
YIQ	181.1150, -2.0620, -6.6860

Conversions

Conversions Part 2

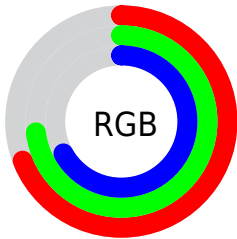
Format	Color
RYB	172, 186, 183
Decimal	11516588
CIELab	74.32, -6.43, 5.78
CIELCh	74, 8.646, 138.069
Yxy	47.2103, 0.3143, 0.3477
Android (android.graphics.Color)	4289706668 (0xFFAFBAAC)
YUV	181.1150, -4.4937, -5.3629
Hunter-Lab	68.7098, -9.3527, 8.4960

Details

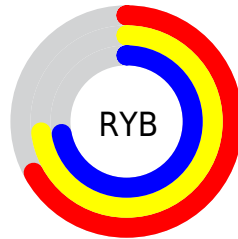
The XYZ color **42.6845, 47.2103, 45.8925** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.1457, 43.1188, 52.5055**, and the grayscale version is **44.0086, 46.3005, 50.4212**.

A 20% lighter version of the original color is **78.5723, 86.0392, 85.1391**, and **19.9461, 22.3421, 21.0305** is the 20% darker color. If you saturate the color by 10%, you get **37.9172, 44.9462, 36.9879**, and if you desaturate by 10%, it is **48.0596, 49.7616, 56.1327**.

Distribution



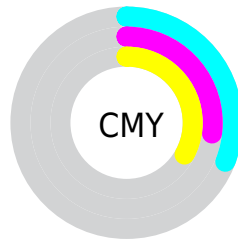
- Red (69%)
- Green (73%)
- Blue (67%)



- Red (67%)
- Yellow (73%)
- Blue (72%)



- Cyan (6%)
- Magenta (0%)
- Yellow (8%)
- Black (27%)



- Cyan (31%)
- Magenta (27%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6845, 47.2103, 45.8925 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 42.6845, 47.2103, 45.8925 by changing the saturation by 10% instead.

■ 42.6845, 47.2103,
45.8925

■ 42.6845, 47.2103,
45.8925

348.2562,
375.6533, 386.6413

■ 29.8311, 33.2019,
31.8129

■ 78.4932, 86.0274,
85.3907

■ 19.8579, 22.2812,
20.9550

102.1793,
111.6050, 111.6464

■ 12.3994, 14.0637,
12.9002

130.2069,
141.8078, 142.7979

■ 7.0904, 8.1650,
7.2299

162.9414,
177.0201, 179.2637

■ 3.5656, 4.2007,
3.5257

200.7483,
217.6265, 221.4625

■ 1.4594, 1.7864,
1.3689

243.9928,

■ 0.2980, 0.4787,

264.0112, 269.8126

0.1173

293.0403,
316.5587, 324.7327

■ 0.0000, 0.0000,
0.0000

■ 42.6845, 47.2103,
45.8925

■ 42.6845, 47.2103,
45.8925

■ 37.9172, 44.9462,
36.9879

■ 48.0596, 49.7616,
56.1327

■ 33.7321, 42.9532,
29.3610

■ 54.0591, 52.6033,
67.7572

■ 30.1078, 41.2229,
22.9540

■ 60.7038, 55.7466,
80.8160

■ 27.0198, 39.7439,
17.7037

■ 68.0122, 59.2000,
95.3556

■ 24.4418, 38.5044,
13.5409

■ 74.3494, 62.3106,
102.7163

■ 22.3452, 37.4912,
10.3893

■ 76.8498, 63.5996,
102.8333

■ 20.6985, 36.6898,
8.1625

■ 19.4658, 36.0841,
6.7600

■ 18.6007, 35.6533,
6.0334

Harmonies

Analogous

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



43.9511, 47.2103, 43.6867



42.6845, 47.2103, 45.8925



42.0102, 47.2103, 49.6543

Triad

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



42.6845, 47.2103, 45.8925



44.2568, 47.2103, 60.2439



47.7744, 47.2103, 48.7939

Complementary

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



42.6845, 47.2103, 45.8925



43.1457, 43.1188, 52.5055

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.



47.8609, 47.2103, 53.1943



42.6845, 47.2103, 45.8925



45.8056, 47.2103, 59.9805

Square

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



42.6845, 47.2103, 45.8925



42.9038, 47.2103, 58.0401



47.1329, 47.2103, 57.3400



46.8994, 47.2103, 45.2940

Rectangle

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



42.6845, 47.2103, 45.8925



41.9767, 47.2103, 52.6152



47.1329, 47.2103, 57.3400



47.8974, 47.2103, 50.2115

Sweetspot

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



42.6858, 47.2123, 45.8935



82.5807, 88.0452, 93.0733



44.6246, 47.2730, 45.8030



18.2080, 19.3996, 20.5389



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.



42.6858, 47.2123, 45.8935



75.8924, 84.8708, 80.4030



42.4068, 47.0238, 47.8996



9.0654, 10.1504, 9.5883



12.4507, 23.9549, 3.9675



0.4917, 0.8717, 0.1423

Inverse Universe

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



43.1457, 43.1188, 52.5055



76.8942, 75.9519, 94.8088



43.4508, 43.3241, 50.3482



9.1876, 9.0630, 11.3445



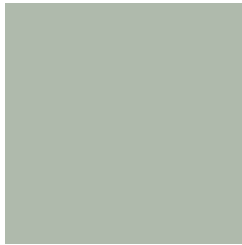
14.0209, 6.5392, 31.7763



0.5420, 0.2551, 1.1224

Previews

White Background



This preview shows how the XYZ color 42.6845, 47.2103, 45.8925 looks on a white background.

Color Contrast Check

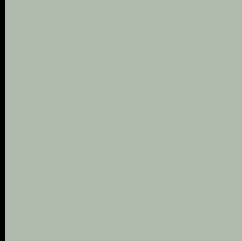
Large Text (above 18pt) WCAG AA × Fail

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 42.6845, 47.2103, 45.8925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

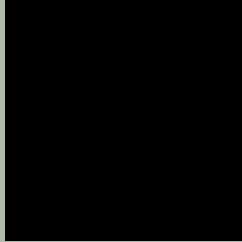
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

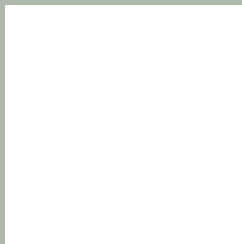
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6845, 47.2103, 45.8925

Background



This preview shows how black text looks on a background with the XYZ color 42.6845, 47.2103, 45.8925.



This preview shows how white text looks on a background with the XYZ color 42.6845, 47.2103,

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

42.6845, 47.2103, 45.8925

Protanopia

44.9699, 47.1770, 44.7661

Deuteranopia

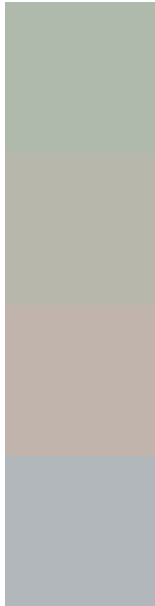
47.7939, 46.8032, 46.5593



Tritanopia

45.3964, 47.0708, 59.5163

Trichromacy



Original Color

42.6845, 47.2103, 45.8925

Protanomaly

44.0513, 46.9976, 45.2778

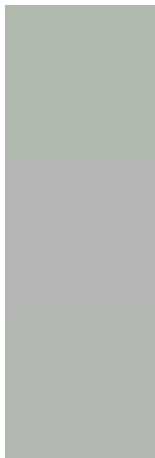
Deuteranomaly

45.8564, 46.9971, 46.1896

Tritanomaly

44.3707, 46.9628, 54.3031

Monochromacy



Original Color

42.6845, 47.2103, 45.8925

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.5598, 46.6650, 48.8309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6845, 47.2103, 45.8925 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, 186, 172)` looks like.

```
.text, #text, p{  
    color:rgb(175, 186, 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(175, 186, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 186, 172) }
```

Border

The CSS property to change the border of an element to XYZ 42.6845, 47.2103, 45.8925 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, 186, 172) }
```


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

```
.border{ border-color:rgb(175, 186, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 186, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 186, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 186, 172);  
box-shadow:4px 4px 4px 4px rgb(175, 186,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6845, 47.2103, 45.8925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 186, 172) }
```

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

```
.background{ background-color: rgb(175,  
186, 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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