

Converting Colors

XYZ(42.4799, 43.9125, 47.9928)

Have a look what the booklet for
XYZ(42.4799, 43.9125, 47.9928)
contains.

XYZ(42.5172, 44.0487, 47.8563)	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(42.5172, 44.0487,
47.8563)**

Conversions

Conversions Part 1

Format	Color
Hex	B5B0B1
RGB	181, 176, 177
RGB Percent	71%, 69%, 69%
CMY	0.2902, 0.3098, 0.3059
CMYK	0.00, 0.03, 0.02, 0.29
HSL	348°, 3%, 70%
HSV	348°, 3%, 71%
XYZ	42.5172, 44.0487, 47.8563
YIQ	177.6090, 2.6590, 1.3710

Conversions

Conversions Part 2

Format	Color
RYB	181, 176, 177
Decimal	11907249
CIELab	72.26, 1.96, 0.11
CIELCh	72, 1.963, 3.254
Yxy	44.0487, 0.3163, 0.3277
Android (android.graphics.Color)	4290097329 (0xFFB5B0B1)
YUV	177.6090, -0.3002, 2.9739
Hunter-Lab	66.3692, -1.7960, 3.7067

Details

The XYZ color **42.5172, 44.0487, 47.8563** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.6682, 45.5743, 49.7302**, and the grayscale version is **42.1120, 44.3051, 48.2482**.

A 20% lighter version of the original color is **78.4896, 81.6009, 88.7045**, and **19.7478, 20.4597, 21.9771** is the 20% darker color. If you saturate the color by 10%, you get **37.8341, 36.8718, 39.5446**, and if you desaturate by 10%, it is **47.8294, 52.2371, 57.1354**.

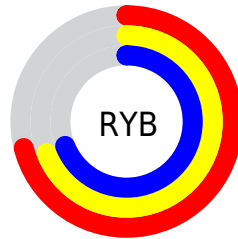
Distribution



Red (71%)

Green (69%)

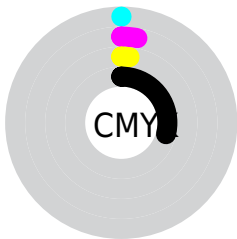
Blue (69%)



Red (71%)

Yellow (69%)

Blue (69%)

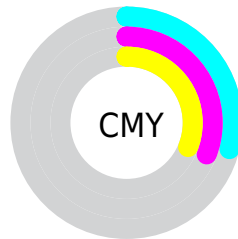


Cyan (0%)

Magenta (3%)

Yellow (2%)

Black (29%)



Cyan (29%)

Magenta (31%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5172, 44.0487, 47.8563 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 42.5172, 44.0487, 47.8563 by changing the saturation by 10% instead.

■ 42.5172, 44.0487,
47.8563

■ 42.5172, 44.0487,
47.8563

347.5777,
362.9070, 394.7145

■ 29.6994, 30.7088,
33.3539

■ 78.2421, 81.2910,
88.3537

■ 19.7574, 20.3772,
22.1244

101.8798,
105.9622, 115.1859

■ 12.3261, 12.6695,
13.7491

129.8548,
135.1793, 146.9650

■ 7.0399, 7.2014,
7.8096

162.5326,
169.3267, 184.1097

■ 3.5336, 3.5884,
3.8874

200.2784,
208.7888, 227.0384

■ 1.4418, 1.4461,
1.5638

243.4576,

■ 0.2857, 0.2503,

253.9499, 276.1698

0.2648

292.4356,
305.1945, 331.9223

■ 0.0000, 0.0000,
0.0000

■ 42.5172, 44.0487,
47.8563

■ 42.5172, 44.0487,
47.8563

■ 37.8341, 36.8718,
39.5446

■ 47.8294, 52.2371,
57.1354

■ 33.7530, 30.6617,
32.1660

■ 53.7890, 61.4684,
67.4087

■ 30.2503, 25.3786,
25.6886

■ 60.4183, 71.7794,
78.7059

■ 27.2994, 20.9780,
20.0775

■ 67.7375, 83.2035,
91.0542

■ 24.8717, 17.4113,
15.2953

■ 71.9848, 88.2113,
103.2198

■ 22.9359, 14.6257,
11.3022

■ 72.8664, 88.5639,
107.8618

■ 21.4573, 12.5620,
8.0548

■ 20.3964, 11.1524,
5.5053

■ 19.7067, 10.3164,
3.6000

Harmonies

Analogous

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



42.4483, 44.0487, 48.8015



42.5172, 44.0487, 47.8563



42.4111, 44.0487, 46.9512

Triad

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



42.5172, 44.0487, 47.8563



41.5127, 44.0487, 46.4264



41.5760, 44.0487, 49.6378

Complementary

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



42.5172, 44.0487, 47.8563



42.6682, 45.5743, 49.7302

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.



41.3275, 44.0487, 48.9863



42.5172, 44.0487, 47.8563



41.2910, 44.0487, 47.1313

Square

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



42.5172, 44.0487, 47.8563



41.8302, 44.0487, 46.1326



41.2234, 44.0487, 48.0669



41.9038, 44.0487, 49.8382

Rectangle

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



42.5172, 44.0487, 47.8563



42.2558, 44.0487, 46.4899



41.2234, 44.0487, 48.0669



41.4805, 44.0487, 49.4639

Sweetspot

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



42.5184, 44.0506, 47.8573



77.7255, 81.3178, 88.4821



42.6896, 44.0921, 49.9774



16.8100, 17.5922, 19.1430



86.6293, 91.1408, 99.2523



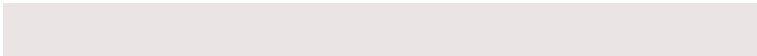
17.0014, 17.8868, 19.4787

Same Dimension

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



42.5184, 44.0506, 47.8573



75.8902, 78.4955, 85.2553



42.7150, 44.6022, 47.4342



9.1417, 9.4191, 10.2234



13.3780, 6.8688, 1.8845



0.4412, 0.2242, 0.1661

Inverse Universe

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



42.5184, 44.0506, 47.8573



75.8902, 78.4955, 85.2553



42.4670, 45.0087, 50.1660



9.1417, 9.4191, 10.2234



13.3780, 6.8688, 1.8845



0.4412, 0.2242, 0.1661

Previews

White Background



This preview shows how the XYZ color 42.5172, 44.0487, 47.8563 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 42.5172, 44.0487, 47.8563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

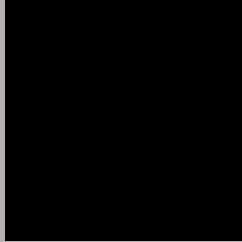
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.5172, 44.0487, 47.8563

Background



This preview shows how black text looks on a background with the XYZ color 42.5172, 44.0487, 47.8563.



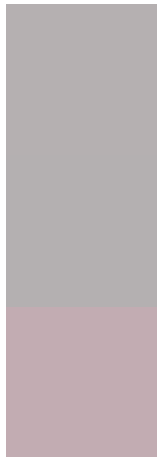
This preview shows how white text looks on a background with the XYZ color 42.5172, 44.0487,

47.8563.

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

42.5172, 44.0487, 47.8563

Protanopia

42.2835, 43.9283, 47.8454

Deuteranopia

45.0365, 44.1887, 48.2751



Tritanopia

43.7416, 43.9702, 53.7586

Trichromacy



Original Color

42.5172, 44.0487, 47.8563

Protanomaly

42.2835, 43.9283, 47.8454

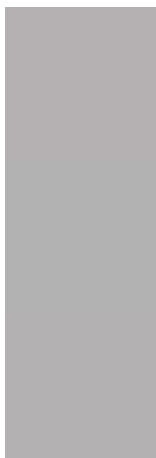
Deuteranomaly

43.9657, 43.9203, 48.2797

Tritanomaly

43.2731, 44.0657, 51.5722

Monochromacy



Original Color

42.5172, 44.0487, 47.8563

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.3484, 44.2423, 48.4271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5172, 44.0487, 47.8563 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, 176, 177)` looks like.

```
.text, #text, p{  
    color:rgb(181, 176, 177)  
}
```

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, 176, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 176, 177) }
```

Border

The CSS property to change the border of an element to XYZ 42.5172, 44.0487, 47.8563 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, 176, 177) }
```


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

```
.border{ border-color:rgb(181, 176, 177) }
```

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

Here you see how a box with a 4 pixel rgb(181, 176, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 176, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 176, 177);  
box-shadow:4px 4px 4px 4px rgb(181, 176,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5172, 44.0487, 47.8563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 176, 177) }
```

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

```
.background{ background-color: rgb(181,  
176, 177) }
```

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