

Converting Colors

XYZ(42.0874, 44.1647, 45.8416)

Have a look what the booklet for
XYZ(42.0874, 44.1647, 45.8416)
contains.

XYZ(42.0874, 44.1647, 45.8416)	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(42.0874, 44.1647,
45.8416)**

Conversions

Conversions Part 1

Format	Color
Hex	B4B1AD
RGB	180, 177, 173
RGB Percent	71%, 69%, 68%
CMY	0.2941, 0.3059, 0.3216
CMYK	0.00, 0.02, 0.04, 0.29
HSL	34°, 4%, 69%
HSV	34°, 4%, 71%
XYZ	42.0874, 44.1647, 45.8416
YIQ	177.4410, 3.0720, -0.6080

Conversions

Conversions Part 2

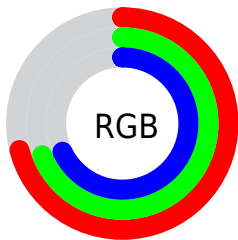
Format	Color
RYB	178, 180, 173
Decimal	11841965
CIELab	72.34, 0.33, 2.41
CIELCh	72, 2.432, 82.135
Yxy	44.1647, 0.3186, 0.3343
Android (android.graphics.Color)	4290032045 (0xFFB4B1AD)
YUV	177.4410, -2.1894, 2.2442
Hunter-Lab	66.4565, -3.2536, 5.6214

Details

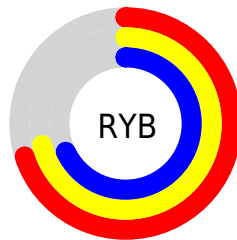
The XYZ color **42.0874, 44.1647, 45.8416** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.9972, 43.2298, 49.3641**, and the grayscale version is **42.0330, 44.2219, 48.1577**.

A 20% lighter version of the original color is **77.7346, 81.7121, 85.0738**, and **19.4112, 20.3078, 20.9859** is the 20% darker color. If you saturate the color by 10%, you get **38.9826, 40.5568, 36.7845**, and if you desaturate by 10%, it is **45.5154, 48.0422, 56.1652**.

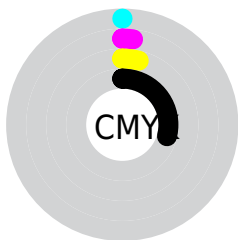
Distribution



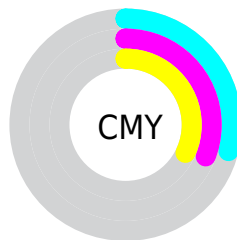
- Red (71%)
- Green (69%)
- Blue (68%)



- Red (70%)
- Yellow (71%)
- Blue (68%)



- Cyan (0%)
- Magenta (2%)
- Yellow (4%)
- Black (29%)



- Cyan (29%)
- Magenta (31%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0874, 44.1647, 45.8416 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 42.0874, 44.1647, 45.8416 by changing the saturation by 10% instead.

■ 42.0874, 44.1647,
45.8416

■ 42.0874, 44.1647,
45.8416

345.8306,
363.3799, 386.4305

■ 29.3611, 30.8000,
31.7731

■ 77.5962, 81.4655,
85.3137

■ 19.4998, 20.4466,
20.9249

101.1095,
106.1704, 111.5543

■ 12.1381, 12.7201,
12.8784

128.9491,
135.4242, 142.6894

■ 6.9107, 7.2361,
7.2151

161.4805,
169.6113, 179.1375

■ 3.4521, 3.6102,
3.5165

199.0690,
209.1160, 221.3171

■ 1.3971, 1.4580,
1.3640

242.0799,

■ 0.2542, 0.2589,

254.3227, 269.6468

0.1134

290.8787,
305.6159, 324.5451

■ 0.0000, 0.0000,
0.0000

■ 42.0874, 44.1647,
45.8416

■ 42.0874, 44.1647,
45.8416

■ 38.9826, 40.5568,
36.7845

■ 45.5154, 48.0422,
56.1652

■ 36.1865, 37.2064,
28.9416

■ 49.2730, 52.1900,
67.7994

■ 33.6890, 34.1084,
22.2610

■ 53.3712, 56.6158,
80.7893

■ 31.4780, 31.2556,
16.6860

■ 57.8191, 61.3256,
95.1773

■ 29.5402, 28.6403,
12.1550

■ 61.3103, 65.7987,
104.0768

■ 27.8615, 26.2544,
8.6003

■ 63.3257, 69.8296,
104.7486

■ 26.4259, 24.0889,
5.9462

■ 65.4350, 74.0480,
105.4516

■ 25.2153, 22.1338,
4.1057

■ 67.6391, 78.4563,
106.1864

■ 24.2082, 20.3778,
2.9740

■ 69.9395, 83.0570,
106.9531

Harmonies

Analogous

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



42.4729, 44.1647, 46.2919



42.0874, 44.1647, 45.8416



41.6749, 44.1647, 45.9852

Triad

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



42.0874, 44.1647, 45.8416



41.2365, 44.1647, 48.9611



42.6155, 44.1647, 49.5159

Complementary

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



42.0874, 44.1647, 45.8416



40.9972, 43.2298, 49.3641

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.



42.2811, 44.1647, 50.2536



42.0874, 44.1647, 45.8416



41.4854, 44.1647, 49.9297

Square

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



42.0874, 44.1647, 45.8416



41.1854, 44.1647, 47.7733



41.8672, 44.1647, 50.4063



42.7791, 44.1647, 48.4038

Rectangle

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



42.0874, 44.1647, 45.8416



41.4399, 44.1647, 46.3996



41.8672, 44.1647, 50.4063



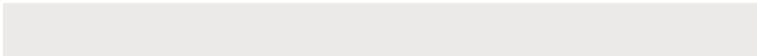
42.5192, 44.1647, 49.8166

Sweetspot

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



42.0886, 44.1666, 45.8426



78.0384, 82.0504, 88.2575



41.6064, 42.7271, 47.1465



16.8740, 17.7421, 19.0970



86.6293, 91.1408, 99.2523



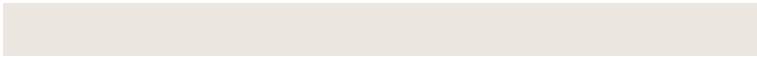
17.0014, 17.8868, 19.4787

Same Dimension

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



42.0886, 44.1666, 45.8426



75.6102, 79.2738, 81.0365



42.5787, 45.3078, 46.0370



9.1447, 9.5842, 9.7339



16.5852, 13.6689, 1.7642



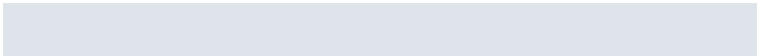
0.5783, 0.5431, 0.0743

Inverse Universe

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



40.9972, 43.2298, 49.3641



73.0428, 77.0699, 89.3208



40.5194, 42.1207, 49.1752



8.8033, 9.2910, 10.8357



7.6693, 6.1389, 30.9177



0.2996, 0.3098, 0.9922

Previews

White Background



This preview shows how the XYZ color 42.0874, 44.1647, 45.8416 looks on a white background.

Color Contrast Check

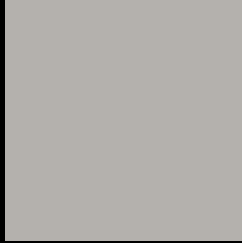
Large Text (above 18pt) WCAG AA × Fail

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 42.0874, 44.1647, 45.8416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

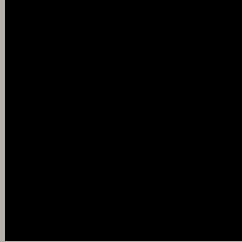
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0874, 44.1647, 45.8416

Background



This preview shows how black text looks on a background with the XYZ color 42.0874, 44.1647, 45.8416.



This preview shows how white text looks on a background with the XYZ color 42.0874, 44.1647,

45.8416.

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

42.0874, 44.1647, 45.8416

Protanopia

42.5564, 44.4065, 45.8635

Deuteranopia

45.1575, 44.2968, 46.2145



Tritanopia

43.6985, 44.2359, 53.8122

Trichromacy



Original Color

42.0874, 44.1647, 45.8416

Protanomaly

42.3210, 44.2852, 45.8525

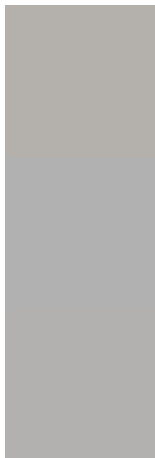
Deuteranomaly

44.0112, 44.2752, 46.2707

Tritanomaly

43.1286, 44.2933, 51.0761

Monochromacy



Original Color

42.0874, 44.1647, 45.8416

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.9187, 44.0438, 47.3663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0874, 44.1647, 45.8416 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(180, 177, 173)` looks like.

```
.text, #text, p{  
    color:rgb(180, 177, 173)  
}
```

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(180, 177, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 177, 173) }
```

Border

The CSS property to change the border of an element to XYZ 42.0874, 44.1647, 45.8416 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(180, 177, 173) }
```


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

```
.border{ border-color:rgb(180, 177, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 177, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 177, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 177, 173);  
box-shadow:4px 4px 4px 4px rgb(180, 177,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0874, 44.1647, 45.8416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 177, 173) }
```

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

```
.background{ background-color: rgb(180,  
177, 173) }
```

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