

Converting Colors

XYZ(46.2733, 47.0180, 42.9980)

Have a look what the booklet for
XYZ(46.2733, 47.0180, 42.9980)
contains.

XYZ(46.3839, 47.0360, 43.1934)	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(46.3839, 47.0360,
43.1934)**

Conversions

Conversions Part 1

Format	Color
Hex	C6B3A7
RGB	198, 179, 167
RGB Percent	78%, 70%, 65%
CMY	0.2235, 0.2980, 0.3451
CMYK	0.00, 0.10, 0.16, 0.22
HSL	23°, 21%, 72%
HSV	23°, 16%, 78%
XYZ	46.3839, 47.0360, 43.1934
YIQ	183.3130, 15.1760, 0.2960

Conversions

Conversions Part 2

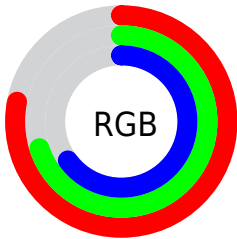
Format	Color
RYB	198, 187, 167
Decimal	13022119
CIELab	74.21, 4.80, 8.58
CIELCh	74, 9.838, 60.768
Yxy	47.0360, 0.3395, 0.3443
Android (android.graphics.Color)	4291212199 (0xFFC6B3A7)
YUV	183.3130, -8.0423, 12.8805
Hunter-Lab	68.5828, 0.7032, 10.6672

Details

The XYZ color **46.3839, 47.0360, 43.1934** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.6881, 47.4096, 60.2750**, and the grayscale version is **45.2196, 47.5745, 51.8087**.

A 20% lighter version of the original color is **84.1331, 85.9506, 81.2631**, and **22.0570, 22.0888, 19.3207** is the 20% darker color. If you saturate the color by 10%, you get **42.3664, 41.7092, 33.5044**, and if you desaturate by 10%, it is **50.8982, 52.9071, 54.4318**.

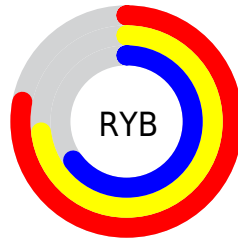
Distribution



Red (78%)

Green (70%)

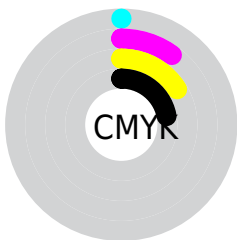
Blue (65%)



Red (78%)

Yellow (73%)

Blue (65%)

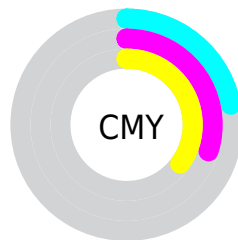


Cyan (0%)

Magenta (10%)

Yellow (16%)

Black (22%)



Cyan (22%)


Magenta (30%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3839, 47.0360, 43.1934 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 46.3839, 47.0360, 43.1934 by changing the saturation by 10% instead.


 46.3839, 47.0360,
43.1934


 46.3839, 47.0360,
43.1934


363.0400,
374.9582, 375.3511

 32.7548, 33.0641,
29.7044


 84.0176, 85.7674,
81.2921

 22.0970, 22.1756,
19.3642


 108.7529,
111.2956, 106.7389

 14.0452, 13.9860,
11.7542


137.9209,
141.4448, 137.0086

 8.2340, 8.1109,
6.4561

171.8871,
176.5993, 172.5199

 4.2981, 4.1660,
3.0511

211.0167,
217.1435, 213.6912

 1.8721, 1.7668,
1.1208

255.6752,

 0.5606, 0.4664,

263.4618, 260.9412

0.0000

306.2278,
315.9385, 314.6883

■ 0.0000, 0.0000,
0.0000

■ 46.3839, 47.0360,
43.1934

■ 46.3839, 47.0360,
43.1934

■ 42.3664, 41.7092,
33.5044

■ 50.8982, 52.9071,
54.4318

■ 38.8238, 36.9044,
25.2931

■ 55.9228, 59.3315,
67.2811

■ 35.7378, 32.6067,
18.4865

■ 61.4752, 66.3261,
81.8029

■ 33.0877, 28.7983,
13.0041

■ 67.5708, 73.9049,
98.0549

■ 30.8508, 25.4601,
8.7573

■ 72.4022, 81.3524,
106.4943

■ 29.0018, 22.5714,
5.6463

■ 76.0878, 88.7237,
107.7229

■ 27.5125, 20.1099,
3.5555

■ 77.0989, 90.7459,
108.0599

■ 26.3488, 18.0502,
2.3423

■ 25.9197, 17.2674,
1.9668

Harmonies

Analogous

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



47.6857, 47.0360, 46.4020



46.3839, 47.0360, 43.1934



44.6608, 47.0360, 42.0989

Triad

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



46.3839, 47.0360, 43.1934



41.3985, 47.0360, 51.3446



46.4647, 47.0360, 60.0262

Complementary

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



46.3839, 47.0360, 43.1934



43.6881, 47.4096, 60.2750

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.



44.7518, 47.0360, 61.5586



46.3839, 47.0360, 43.1934



41.8537, 47.0360, 56.3481

Square

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



46.3839, 47.0360, 43.1934



41.8101, 47.0360, 46.6137



43.0697, 47.0360, 60.1711



47.7332, 47.0360, 56.1079

Rectangle

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



46.3839, 47.0360, 43.1934



43.5139, 47.0360, 42.6546



43.0697, 47.0360, 60.1711



45.9203, 47.0360, 60.8485

Sweetspot

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



46.3852, 47.0381, 43.1944



90.6226, 94.3218, 97.6310



45.9834, 43.1940, 52.4337



19.2678, 20.0223, 20.5708



0.0000, 0.0000, 0.0000



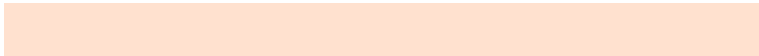
20.3446, 21.4041, 23.3091

Same Dimension

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



46.3852, 47.0381, 43.1944



79.4568, 79.7615, 69.9511



49.6415, 53.5508, 44.2798



10.9650, 11.2992, 11.1658



16.9335, 11.3841, 1.3049



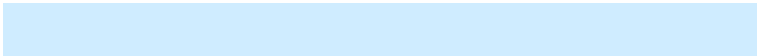
0.8718, 0.6790, 0.0851

Inverse Universe

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



43.6881, 47.4096, 60.2750



73.7210, 80.5496, 106.2698



40.6206, 41.2746, 59.2525



10.5886, 11.3512, 13.5504



11.1866, 11.7671, 36.4260



0.5984, 0.6947, 1.7477

Previews

White Background



This preview shows how the XYZ color 46.3839, 47.0360, 43.1934 looks on a white background.

Color Contrast Check

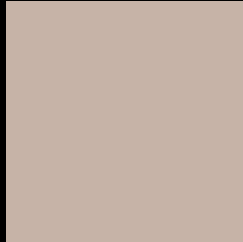
Large Text (above 18pt) WCAG AA × Fail

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 46.3839, 47.0360, 43.1934 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 46.3839, 47.0360, 43.1934

Background



This preview shows how black text looks on a background with the XYZ color 46.3839, 47.0360, 43.1934.



This preview shows how white text looks on a background with the XYZ color 46.3839, 47.0360,

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

46.3839, 47.0360, 43.1934

Protanopia

44.8756, 47.1393, 44.2697

Deuteranopia

48.0468, 46.9996, 43.5853



Tritanopia

48.7980, 47.1423, 54.6716

Trichromacy



Original Color

46.3839, 47.0360, 43.1934

Protanomaly

45.3300, 47.0814, 43.7443

Deuteranomaly

47.4186, 46.9679, 43.6123

Tritanomaly

47.8820, 47.0598, 50.2759

Monochromacy



Original Color

46.3839, 47.0360, 43.1934

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.4028, 47.3216, 48.3360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3839, 47.0360, 43.1934 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(198, 179, 167)` looks like.

```
.text, #text, p{  
    color:rgb(198, 179, 167)  
}
```

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(198, 179, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 179, 167) }
```

Border

The CSS property to change the border of an element to XYZ 46.3839, 47.0360, 43.1934 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(198, 179, 167) }
```


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

```
.border{ border-color:rgb(198, 179, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 179, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 179, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 179, 167); box-shadow:4px 4px 4px 4px rgb(198, 179, 167) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3839, 47.0360, 43.1934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 179, 167) }
```

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

```
.background{ background-color: rgb(198,  
179, 167) }
```

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