

Converting Colors

XYZ(47.1453, 50.2348, 49.9855)

Have a look what the booklet for
XYZ(47.1453, 50.2348, 49.9855)
contains.

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Color

**XYZ(47.3205, 50.4687,
49.8952)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBDB3
RGB	189, 189, 179
RGB Percent	74%, 74%, 70%
CMY	0.2588, 0.2588, 0.2980
CMYK	0.00, 0.00, 0.05, 0.26
HSL	60°, 7%, 72%
HSV	60°, 5%, 74%
XYZ	47.3205, 50.4687, 49.8952
YIQ	187.8600, 3.2100, -3.1100

Conversions

Conversions Part 2

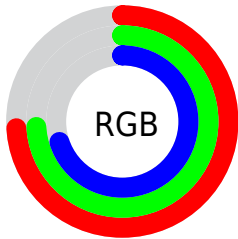
Format	Color
RYB	179, 189, 179
Decimal	12434867
CIELab	76.36, -1.80, 5.04
CIELCh	76, 5.355, 109.666
Yxy	50.4687, 0.3204, 0.3417
Android (android.graphics.Color)	4290624947 (0xFFBDBDB3)
YUV	187.8600, -4.3680, 0.9998
Hunter-Lab	71.0413, -5.4238, 8.0872

Details

The XYZ color **47.3205, 50.4687, 49.8952** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.8979, 45.4994, 54.6154**, and the grayscale version is **47.7444, 50.2308, 54.7014**.

A 20% lighter version of the original color is **85.3040, 90.7155, 91.6111**, and **22.7234, 24.3489, 23.2408** is the 20% darker color. If you saturate the color by 10%, you get **45.5372, 49.7568, 40.5080**, and if you desaturate by 10%, it is **49.3687, 51.2898, 60.6647**.

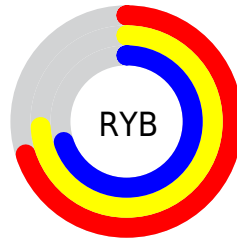
Distribution



Red (74%)

Green (74%)

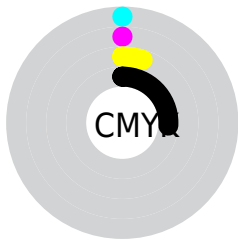
Blue (70%)



Red (70%)

Yellow (74%)

Blue (70%)

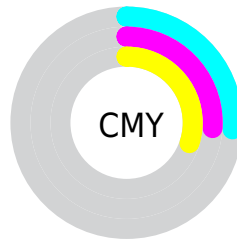


Cyan (0%)

Magenta (0%)

Yellow (5%)

Black (26%)



Cyan (26%)

Magenta (26%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3205, 50.4687, 49.8952 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 47.3205, 50.4687, 49.8952 by changing the saturation by 10% instead.

■ 47.3205, 50.4687,
49.8952

■ 47.3205, 50.4687,
49.8952

366.7200,
388.4960, 402.9793

■ 33.4981, 35.7860,
34.9595

■ 85.4077, 90.8689,
91.4143

■ 22.6694, 24.2689,
23.3484

110.4031,
117.3552, 118.8348

■ 14.4689, 15.5332,
14.6433

139.8537,
148.5448, 151.2540

■ 8.5314, 9.1945,
8.4256

174.1247,
184.8221, 189.0904

■ 4.4915, 4.8682,
4.2768

213.5814,
226.5714, 232.7626

■ 1.9837, 2.1702,
1.7784

258.5893,

■ 0.6248, 0.7037,

274.1773, 282.6891

0.4136

309.5137,
328.0240, 339.2885

■ 0.0000, 0.0000,
0.0000

■ 47.3205, 50.4687,
49.8952

■ 47.3205, 50.4687,
49.8952

■ 45.5372, 49.7568,
40.5080

■ 49.3687, 51.2898,
60.6647

■ 44.0039, 49.1433,
32.4439

■ 51.6875, 52.2176,
72.8657

■ 42.7109, 48.6258,
25.6446

■ 54.2879, 53.2580,
86.5492

■ 41.6458, 48.1996,
20.0458

■ 57.1788, 54.4145,
101.7627

■ 40.7955, 47.8592,
15.5780

■ 57.2445, 54.4410,
102.0988

■ 40.1453, 47.5989,
12.1640

■ 57.2464, 54.4420,
102.0989

■ 39.6789, 47.4121,
9.7177

■ 57.2483, 54.4430,
102.0990

■ 39.3771, 47.2912,
8.1387

■ 57.2502, 54.4440,
102.0991

■ 39.2168, 47.2269,
7.3042

■ 57.2521, 54.4449,
102.0992

Harmonies

Analogous

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



48.3170, 50.4687, 49.6766



47.3205, 50.4687, 49.8952



46.5085, 50.4687, 51.4414

Triad

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



47.3205, 50.4687, 49.8952



46.7270, 50.4687, 59.2869



49.8985, 50.4687, 55.9522

Complementary

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



47.3205, 50.4687, 49.8952



43.8979, 45.4994, 54.6154

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.



49.4597, 50.4687, 58.6185



47.3205, 50.4687, 49.8952



47.6226, 50.4687, 60.5879

Square

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



47.3205, 50.4687, 49.8952



46.1692, 50.4687, 56.8387



48.6234, 50.4687, 60.3391



49.8149, 50.4687, 53.1072

Rectangle

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



47.3205, 50.4687, 49.8952



46.1768, 50.4687, 53.0480



48.6234, 50.4687, 60.3391



49.8070, 50.4687, 56.9007

Sweetspot

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



47.3219, 50.4709, 49.8963



85.8916, 90.8456, 95.3713



45.2447, 46.3149, 49.2036



18.4787, 19.5392, 20.5515



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.



47.3219, 50.4709, 49.8963



84.4750, 90.2788, 87.9186



46.1034, 49.8427, 49.8393



10.4366, 11.1663, 10.7826



26.3516, 31.7606, 4.7415



1.0323, 1.2442, 0.1857

Inverse Universe

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



43.8979, 45.4994, 54.6154



77.4499, 80.0789, 97.6009



45.0741, 46.1058, 54.6705



9.5057, 9.8146, 12.0656



6.1810, 2.4725, 32.5444



0.2422, 0.0969, 1.2748

Previews

White Background



This preview shows how the XYZ color 47.3205, 50.4687, 49.8952 looks on a white background.

Color Contrast Check

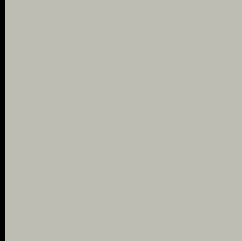
Large Text (above 18pt) WCAG AA × Fail

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 47.3205, 50.4687, 49.8952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

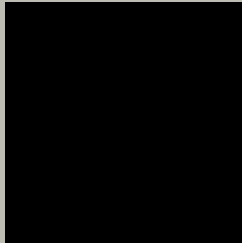
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

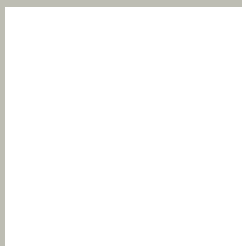
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.3205, 50.4687, 49.8952

Background



This preview shows how black text looks on a background with the XYZ color 47.3205, 50.4687, 49.8952.



This preview shows how white text looks on a background with the XYZ color 47.3205, 50.4687,

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

47.3205, 50.4687, 49.8952

Protanopia

48.0543, 50.2243, 49.2810

Deuteranopia

51.2607, 50.3065, 50.1884



Tritanopia

49.7225, 50.4944, 61.7693

Trichromacy



Original Color

47.3205, 50.4687, 49.8952

Protanomaly

47.7573, 50.3873, 49.3281

Deuteranomaly

49.9443, 50.5498, 50.3047

Tritanomaly

48.7706, 50.4228, 57.0313

Monochromacy



Original Color

47.3205, 50.4687, 49.8952

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.4792, 50.1606, 53.0785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3205, 50.4687, 49.8952 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(189, 189, 179)` looks like.

```
.text, #text, p{  
    color:rgb(189, 189, 179)  
}
```

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(189, 189, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 189, 179) }
```

Border

The CSS property to change the border of an element to XYZ 47.3205, 50.4687, 49.8952 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(189, 189, 179) }
```


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

```
.border{ border-color:rgb(189, 189, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 189, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 189, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 189, 179);  
box-shadow:4px 4px 4px 4px rgb(189, 189,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3205, 50.4687, 49.8952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 189, 179) }
```

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

```
.background{ background-color: rgb(189,  
189, 179) }
```

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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