

Converting Colors

XYZ(47.6982, 49.9944, 51.4109)

Have a look what the booklet for
XYZ(47.6982, 49.9944, 51.4109)
contains.

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Color

**XYZ(47.6997, 49.9944,
51.3918)**

Conversions

Conversions Part 1

Format	Color
Hex	BFBBB6
RGB	191, 187, 182
RGB Percent	75%, 73%, 71%
CMY	0.2510, 0.2666, 0.2863
CMYK	0.00, 0.02, 0.05, 0.25
HSL	33°, 7%, 73%
HSV	33°, 5%, 75%
XYZ	47.6997, 49.9944, 51.3918
YIQ	187.6260, 3.9890, -0.7070

Conversions

Conversions Part 2

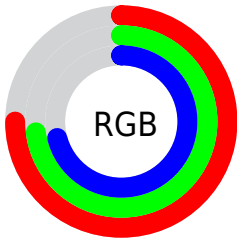
Format	Color
RYB	189, 191, 182
Decimal	12565430
CIELab	76.07, 0.50, 3.02
CIELCh	76, 3.057, 80.499
Yxy	49.9944, 0.3199, 0.3353
Android (android.graphics.Color)	4290755510 (0xFFBFBBB6)
YUV	187.6260, -2.7736, 2.9590
Hunter-Lab	70.7067, -3.3183, 6.4009

Details

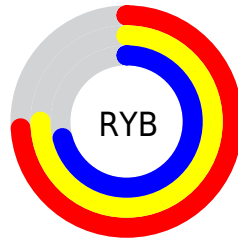
The XYZ color **47.6997, 49.9944, 51.3918** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.2543, 48.8239, 56.2770**, and the grayscale version is **47.6027, 50.0817, 54.5390**.

A 20% lighter version of the original color is **85.8410, 90.0484, 93.7457**, and **22.9688, 24.0384, 24.1982** is the 20% darker color. If you saturate the color by 10%, you get **44.1128, 45.7665, 41.1128**, and if you desaturate by 10%, it is **51.6650, 54.5469, 63.1265**.

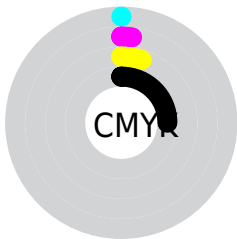
Distribution



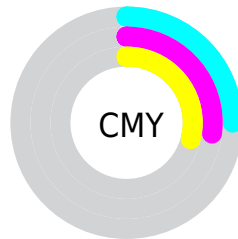
- Red (75%)
- Green (73%)
- Blue (71%)



- Red (74%)
- Yellow (75%)
- Blue (71%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (25%)



- Cyan (25%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6997, 49.9944, 51.3918 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 47.6997, 49.9944, 51.3918 by changing the saturation by 10% instead.

■ 47.6997, 49.9944,
51.3918

■ 47.6997, 49.9944,
51.3918

368.2030,
386.6440, 408.9740

■ 33.7994, 35.4089,
36.1416

■ 85.9695, 90.1666,
93.6511

■ 22.9017, 23.9781,
24.2530

111.0698,
116.5221, 121.4973

■ 14.6412, 15.3173,
15.3075

140.6340,
147.5698, 154.3792

■ 8.6527, 9.0424,
8.8865

175.0276,
183.6940, 192.7154

■ 4.5706, 4.7689,
4.5714

214.6160,
225.2791, 236.9245

■ 2.0297, 2.1123,
1.9438

259.7644,

■ 0.6506, 0.6715,

272.7096, 287.4249

0.5204

310.8383,
326.3697, 344.6352

■ 0.0000, 0.0000,
0.0000

■ 47.6997, 49.9944,
51.3918

■ 47.6997, 49.9944,
51.3918

■ 44.1128, 45.7665,
41.1128

■ 51.6650, 54.5469,
63.1265

■ 40.8874, 41.8488,
32.2285

■ 56.0165, 59.4253,
76.3680

■ 38.0115, 38.2350,
24.6787

■ 60.7670, 64.6388,
91.1690

■ 35.4708, 34.9165,
18.3971

■ 65.3748, 69.9737,
104.6684

■ 33.2497, 31.8837,
13.3120

■ 67.6702, 74.5647,
105.4336

■ 31.3314, 29.1268,
9.3441

■ 70.0805, 79.3852,
106.2370

■ 29.6970, 26.6347,
6.4047

■ 72.6071, 84.4383,
107.0792

■ 28.3250, 24.3954,
4.3913

■ 75.2515, 89.7273,
107.9607

■ 27.1897, 22.3950,
3.1797

■ 75.2962, 89.8165,
107.9755

Harmonies

Analogous

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



48.2202, 49.9944, 52.0443



47.6997, 49.9944, 51.3918



47.1346, 49.9944, 51.5421

Triad

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



47.6997, 49.9944, 51.3918



46.4969, 49.9944, 55.5443



48.3706, 49.9944, 56.4607

Complementary

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



47.6997, 49.9944, 51.3918



46.2543, 48.8239, 56.2770

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.



47.9038, 49.9944, 57.4350



47.6997, 49.9944, 51.3918



46.8230, 49.9944, 56.8986

Square

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



47.6997, 49.9944, 51.3918



46.4432, 49.9944, 53.9178



47.3371, 49.9944, 57.5969



48.6096, 49.9944, 54.9563

Rectangle

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



47.6997, 49.9944, 51.3918



46.8085, 49.9944, 52.0785



47.3371, 49.9944, 57.5969



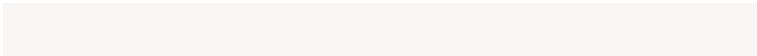
48.2350, 49.9944, 56.8624

Sweetspot

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



47.7011, 49.9966, 51.3929



87.9762, 92.4876, 99.5024



47.0828, 48.0803, 53.2819



19.3266, 20.3184, 21.8729



92.9021, 97.7402, 106.4391



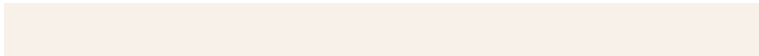
19.4759, 20.4902, 22.3138

Same Dimension

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



47.7011, 49.9966, 51.3929



84.5034, 88.4613, 89.3445



48.4479, 51.6579, 51.6742



10.1798, 10.6523, 10.6969



17.6010, 14.2409, 1.8211



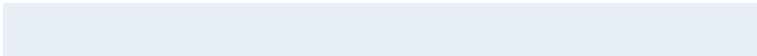
0.7537, 0.6864, 0.0928

Inverse Universe

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



46.2543, 48.8239, 56.2770



81.1824, 85.7695, 100.5555



45.5305, 47.2182, 56.0052



9.7502, 10.3041, 12.1472



8.3834, 6.8785, 33.2787



0.3936, 0.4000, 1.3253

Previews

White Background



This preview shows how the XYZ color 47.6997, 49.9944, 51.3918 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 47.6997, 49.9944, 51.3918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

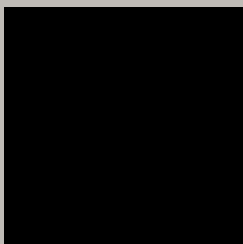
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

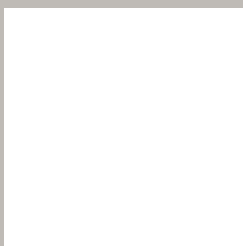
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.6997, 49.9944, 51.3918

Background



This preview shows how black text looks on a background with the XYZ color 47.6997, 49.9944, 51.3918.



This preview shows how white text looks on a background with the XYZ color 47.6997, 49.9944,

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

47.6997, 49.9944, 51.3918

Protanopia

47.9520, 50.1245, 51.4036

Deuteranopia

50.8032, 49.7320, 51.7214



Tritanopia

49.6974, 49.8738, 61.0401

Trichromacy



Original Color

47.6997, 49.9944, 51.3918

Protanomaly

47.9520, 50.1245, 51.4036

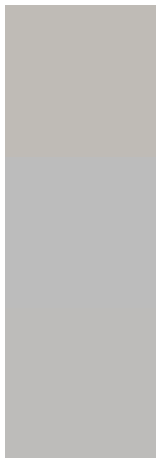
Deuteranomaly

49.5681, 49.7034, 51.7809

Tritanomaly

48.9669, 49.8856, 57.5001

Monochromacy



Original Color

47.6997, 49.9944, 51.3918

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.8324, 50.3304, 53.6481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6997, 49.9944, 51.3918 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(191, 187, 182)` looks like.

```
.text, #text, p{  
    color:rgb(191, 187, 182)  
}
```

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(191, 187, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 187, 182) }
```

Border

The CSS property to change the border of an element to XYZ 47.6997, 49.9944, 51.3918 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(191, 187, 182) }
```


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

```
.border{ border-color:rgb(191, 187, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 187, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 187, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 187, 182);  
box-shadow:4px 4px 4px 4px rgb(191, 187,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6997, 49.9944, 51.3918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 187, 182) }
```

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

```
.background{ background-color: rgb(191,  
187, 182) }
```

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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