

Converting Colors

XYZ(47.9133, 49.9936, 56.4146)

Have a look what the booklet for
XYZ(47.9133, 49.9936, 56.4146)
contains.

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Color

**XYZ(47.9133, 49.9936,
56.4146)**

Conversions

Conversions Part 1

Format	Color
Hex	BCBBBB
RGB	188, 187, 191
RGB Percent	74%, 73%, 75%
CMY	0.2627, 0.2666, 0.2510
CMYK	0.02, 0.02, 0.00, 0.25
HSL	255°, 3%, 74%
HSV	255°, 2%, 75%
XYZ	47.9133, 49.9936, 56.4146
YIQ	187.7550, -0.6880, 1.4560

Conversions

Conversions Part 2

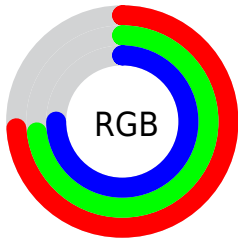
Format	Color
R_{YB}	188, 187, 191
Decimal	12368831
CIE Lab	76.07, 1.10, -1.90
CIE LCh	76, 2.196, 300.023
Yxy	49.9936, 0.3105, 0.3240
Android (android.graphics.Color)	4290558911 (0xFFBCBBBF)
YUV	187.7550, 1.5998, 0.2149
Hunter-Lab	70.7062, -2.7771, 2.1884

Details

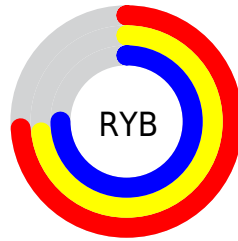
The XYZ color **47.9133, 49.9936, 56.4146** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.8376, 51.7979, 54.4403**, and the grayscale version is **47.6537, 50.1354, 54.5974**.

A 20% lighter version of the original color is **86.1473, 90.0497, 100.8366**, and **23.1042, 24.0361, 27.4665** is the 20% darker color. If you saturate the color by 10%, you get **40.7699, 40.6918, 54.9964**, and if you desaturate by 10%, it is **55.9494, 60.5585, 58.0310**.

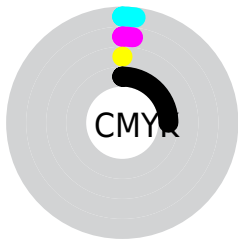
Distribution



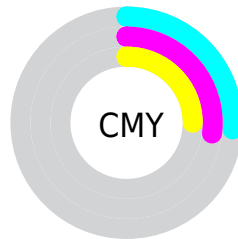
- Red (74%)
- Green (73%)
- Blue (75%)



- Red (74%)
- Yellow (73%)
- Blue (75%)



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



- Cyan (26%)
- Magenta (27%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9133, 49.9936, 56.4146 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 47.9133, 49.9936, 56.4146 by changing the saturation by 10% instead.

■ 47.9133, 49.9936,
56.4146

■ 47.9133, 49.9936,
56.4146

369.0367,
386.6409, 428.6842

■ 33.9692, 35.4083,
40.1292

■ 86.2858, 90.1654,
101.1023

■ 23.0327, 23.9776,
27.3247

111.4449,
116.5207, 130.3418

■ 14.7385, 15.3170,
17.5827

141.0730,
147.5681, 164.7363

■ 8.7212, 9.0422,
10.4845

175.5355,
183.6921, 204.7045

■ 4.6154, 4.7687,
5.6116

215.1978,
225.2769, 250.6648

■ 2.0558, 2.1122,
2.5454

260.4252,

■ 0.6650, 0.6715,

272.7071, 303.0358

0.8641

311.5830,
326.3669, 362.2361

■ 0.0000, 0.0000,
0.0000

■ 47.9133, 49.9936,
56.4146

■ 47.9133, 49.9936,
56.4146

■ 40.7699, 40.6918,
54.9964

■ 55.9494, 60.5585,
58.0310

■ 34.4836, 32.5990,
53.7657

■ 64.9037, 72.4249,
59.8495

■ 29.0227, 25.6671,
52.7155

■ 74.8058, 85.6377,
61.8780

■ 24.3518, 19.8419,
51.8373

■ 82.9425, 94.7571,
63.2093

■ 20.4328, 15.0649,
51.1218

■ 86.4041, 96.5416,
63.3713

■ 17.2247, 11.2723,
50.5588

■ 14.6817, 8.3928,
50.1371

■ 12.7527, 6.3457,
49.8436

■ 11.3780, 5.0350,
49.6631

Harmonies

Analogous

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



47.5177, 49.9936, 56.7257



47.9133, 49.9936, 56.4146



48.2042, 49.9936, 55.5714

Triad

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



47.9133, 49.9936, 56.4146



47.9128, 49.9936, 52.5005



46.7327, 49.9936, 54.4354

Complementary

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



47.9133, 49.9936, 56.4146



48.8376, 51.7979, 54.4403

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.



46.8372, 49.9936, 53.3132



47.9133, 49.9936, 56.4146



47.5171, 49.9936, 52.2059

Square

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



47.9133, 49.9936, 56.4146



48.2039, 49.9936, 53.3117



47.1237, 49.9936, 52.5013



46.8375, 49.9936, 55.5730

Rectangle

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



47.9133, 49.9936, 56.4146



48.2988, 49.9936, 54.8270



47.1237, 49.9936, 52.5013



46.7445, 49.9936, 54.0440

Sweetspot

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



47.9147, 49.9957, 56.4157



87.2862, 91.4685, 101.3338



48.3271, 51.1837, 56.6233



19.1826, 20.1057, 22.2551



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.



47.9147, 49.9957, 56.4157



84.5244, 87.8540, 100.7817



48.3945, 50.2431, 56.4381



10.1066, 10.4748, 12.1614



7.0330, 2.9117, 32.5842



0.3376, 0.1461, 1.2793

Inverse Universe

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



48.5522, 50.3370, 55.8749



86.1785, 88.7397, 99.3730



48.3576, 51.5505, 54.4178



10.3510, 10.6057, 11.9527



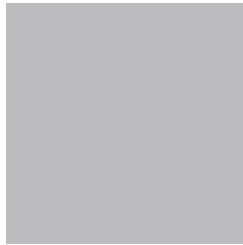
17.4305, 8.6034, 18.0926



0.7074, 0.3469, 0.8387

Previews

White Background



This preview shows how the XYZ color 47.9133, 49.9936, 56.4146 looks on a white background.

Color Contrast Check

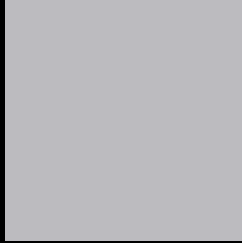
Large Text (above 18pt) WCAG AA × Fail

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 47.9133, 49.9936, 56.4146 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 47.9133, 49.9936, 56.4146

Background



This preview shows how black text looks on a background with the XYZ color 47.9133, 49.9936, 56.4146.

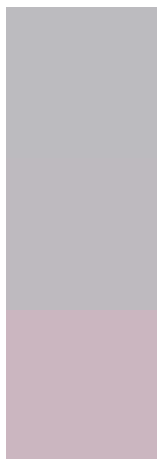


This preview shows how white text looks on a background with the XYZ color 47.9133, 49.9936,

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

47.9133, 49.9936, 56.4146

Protanopia

48.1981, 49.8265, 56.3674

Deuteranopia

50.8710, 49.9582, 56.8309



Tritanopia

48.9705, 50.1068, 61.7341

Trichromacy



Original Color

47.9133, 49.9936, 56.4146

Protanomaly

47.9491, 49.6982, 56.3557

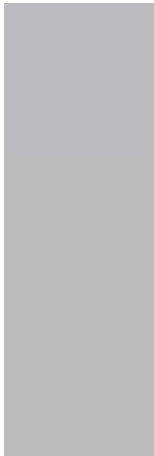
Deuteranomaly

49.9436, 50.0925, 56.9057

Tritanomaly

48.6232, 49.9678, 59.9054

Monochromacy



Original Color

47.9133, 49.9936, 56.4146

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.9076, 50.3319, 55.3341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9133, 49.9936, 56.4146 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(188, 187, 191)` looks like.

```
.text, #text, p{  
    color:rgb(188, 187, 191)  
}
```

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(188, 187, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 187, 191) }
```

Border

The CSS property to change the border of an element to XYZ 47.9133, 49.9936, 56.4146 is called "border". The border property can be set on classes, ids or directly on the HTML element.

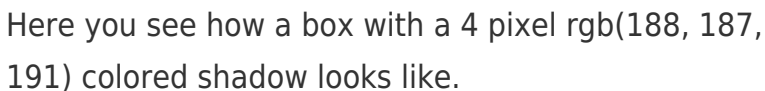
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 187, 191) }
```


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

```
.border{ border-color:rgb(188, 187, 191) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 187, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 187, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 187, 191);  
box-shadow:4px 4px 4px 4px rgb(188, 187,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9133, 49.9936, 56.4146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 187, 191) }
```

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

```
.background{ background-color: rgb(188,  
187, 191) }
```

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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