

Converting Colors

XYZ(49.6682, 51.5318, 61.4361)

Have a look what the booklet for
XYZ(49.6682, 51.5318, 61.4361)
contains.

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Color

**XYZ(49.4927, 51.3375,
61.3334)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBDC7
RGB	189, 189, 199
RGB Percent	74%, 74%, 78%
CMY	0.2588, 0.2588, 0.2196
CMYK	0.05, 0.05, 0.00, 0.22
HSL	240°, 8%, 76%
HSV	240°, 5%, 78%
XYZ	49.4927, 51.3375, 61.3334
YIQ	190.1400, -3.2100, 3.1100

Conversions

Conversions Part 2

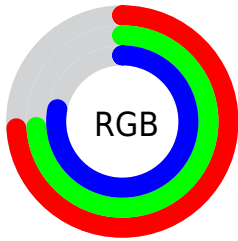
Format	Color
RYB	189, 189, 199
Decimal	12434887
CIELab	76.88, 1.90, -5.03
CIELCh	77, 5.378, 290.687
Yxy	51.3375, 0.3052, 0.3166
Android (android.graphics.Color)	4290624967 (0xFFBDBDC7)
YUV	190.1400, 4.3680, -0.9998
Hunter-Lab	71.6502, -2.0881, -0.5978

Details

The XYZ color **49.4927, 51.3375, 61.3334** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.1622, 56.6627, 56.2802**, and the grayscale version is **49.0024, 51.5543, 56.1427**.

A 20% lighter version of the original color is **88.3586, 91.9373, 107.6964**, and **24.0683, 24.8869, 30.3232** is the 20% darker color. If you saturate the color by 10%, you get **40.9013, 40.9865, 59.7891**, and if you desaturate by 10%, it is **59.3515, 63.2162, 63.1074**.

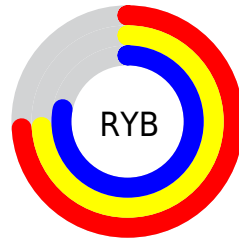
Distribution



Red (74%)

Green (74%)

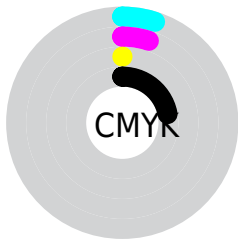
Blue (78%)



Red (74%)

Yellow (74%)

Blue (78%)

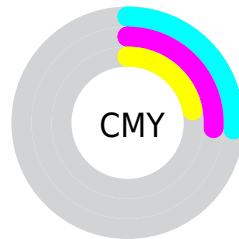


Cyan (5%)

Magenta (5%)

Yellow (0%)

Black (22%)



Cyan (26%)

Magenta (26%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4927, 51.3375, 61.3334 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 49.4927, 51.3375, 61.3334 by changing the saturation by 10% instead.

■ 49.4927, 51.3375,
61.3334

■ 49.4927, 51.3375,
61.3334

375.1636,
391.8736, 447.4357

■ 35.2266, 36.4773,
44.0620

■ 88.6191, 92.1535,
108.3238

■ 24.0048, 24.8030,
30.3817

114.2102,
118.8780, 138.8798

■ 15.4620, 15.9304,
19.8740

144.3069,
150.3261, 174.7011

■ 9.2327, 9.4749,
12.1203

179.2747,
186.8821, 216.2062

■ 4.9516, 5.0522,
6.7021

219.4789,
228.9305, 263.8137

■ 2.2533, 2.2779,
3.2009

265.2849,

■ 0.7706, 0.7620,

276.8556, 317.9421

1.1981

317.0580,
331.0418, 379.0099

■ 0.0000, 0.0000,
0.0000

■ 49.4927, 51.3375,
61.3334

■ 49.4927, 51.3375,
61.3334

■ 40.9013, 40.9865,
59.7891

■ 59.3515, 63.2162,
63.1074

■ 33.5216, 32.0949,
58.4618

■ 70.5214, 76.6740,
65.1163

■ 27.3004, 24.5991,
57.3428

■ 83.0496, 91.7682,
67.3695

■ 22.1791, 18.4283,
56.4217

■ 87.3090, 96.9036,
68.1362

■ 18.0936, 13.5054,
55.6868

■ 14.9734, 9.7456,
55.1255

■ 12.7391, 7.0531,
54.7236

■ 11.2989, 5.3173,
54.4644

■ 10.5409, 4.4034,
54.3280

Harmonies

Analogous

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



48.4772, 51.3375, 61.6412



49.4927, 51.3375, 61.3334



50.3320, 51.3375, 59.5421

Triad

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



49.4927, 51.3375, 61.3334



50.0512, 51.3375, 51.6530



46.8799, 51.3375, 54.9915

Complementary

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



49.4927, 51.3375, 61.3334



53.1622, 56.6627, 56.2802

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.



47.2892, 51.3375, 52.4054



49.4927, 51.3375, 61.3334



49.1136, 51.3375, 50.5227

Square

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



49.4927, 51.3375, 61.3334



50.6575, 51.3375, 53.9319



48.1034, 51.3375, 50.7932



46.9782, 51.3375, 57.9109

Rectangle

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



49.4927, 51.3375, 61.3334



50.6741, 51.3375, 57.7810



48.1034, 51.3375, 50.7932



46.9625, 51.3375, 54.0560

Sweetspot

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



49.4942, 51.3397, 61.3345



91.5935, 95.8354, 108.2783



51.7000, 55.7823, 61.9744



19.6410, 20.5563, 23.1825



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.



49.4942, 51.3397, 61.3345



84.9564, 87.8388, 107.0846



50.7127, 51.9670, 61.3914



10.6061, 10.9496, 13.4720



6.6293, 2.6524, 34.9069



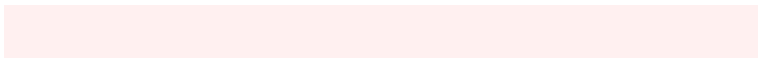
0.3140, 0.1257, 1.6529

Inverse Universe

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



50.9373, 52.2126, 55.5399



87.9961, 89.6774, 94.8792



51.9005, 56.0132, 56.2213



11.0178, 11.1986, 11.8188



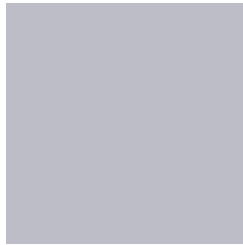
15.1455, 7.8078, 0.7100



0.7172, 0.3697, 0.0338

Previews

White Background



This preview shows how the XYZ color 49.4927, 51.3375, 61.3334 looks on a white background.

Color Contrast Check

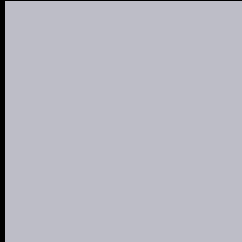
Large Text (above 18pt) WCAG AA × Fail

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 49.4927, 51.3375, 61.3334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

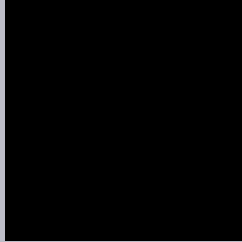
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4927, 51.3375, 61.3334

Background



This preview shows how black text looks on a background with the XYZ color 49.4927, 51.3375, 61.3334.

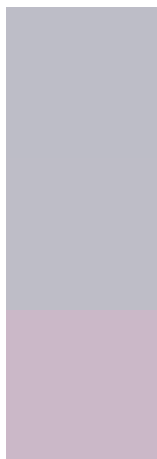


This preview shows how white text looks on a background with the XYZ color 49.4927, 51.3375,

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

49.4927, 51.3375, 61.3334

Protanopia

49.7416, 51.4659, 61.3451

Deuteranopia

52.1944, 51.1476, 61.7651



Tritanopia

49.9979, 51.2254, 63.7522

Trichromacy



Original Color

49.4927, 51.3375, 61.3334

Protanomaly

49.7416, 51.4659, 61.3451

Deuteranomaly

51.2729, 51.2937, 61.8419

Tritanomaly

49.8791, 51.1779, 63.1265

Monochromacy



Original Color

49.4927, 51.3375, 61.3334

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.2743, 51.6243, 57.8195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4927, 51.3375, 61.3334 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(189, 189, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 189, 199) }
```

Border

The CSS property to change the border of an element to XYZ 49.4927, 51.3375, 61.3334 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, 199) }
```


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

```
.border{ border-color:rgb(189, 189, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 189, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 189, 199);  
box-shadow:4px 4px 4px 4px rgb(189, 189,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4927, 51.3375, 61.3334 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, 199) }
```

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

```
.background{ background-color: rgb(189,  
189, 199) }
```

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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