

Converting Colors

XYZ(47.6492, 50.3441, 62.1693)

Have a look what the booklet for
XYZ(47.6492, 50.3441, 62.1693)
contains.

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Color

**XYZ(47.7963, 50.4360,
62.4743)**

Conversions

Conversions Part 1

Format	Color
Hex	B5BDC9
RGB	181, 189, 201
RGB Percent	71%, 74%, 79%
CMY	0.2902, 0.2588, 0.2118
CMYK	0.10, 0.06, 0.00, 0.21
HSL	216°, 16%, 75%
HSV	216°, 10%, 79%
XYZ	47.7963, 50.4360, 62.4743
YIQ	187.9760, -8.6200, 2.0360

Conversions

Conversions Part 2

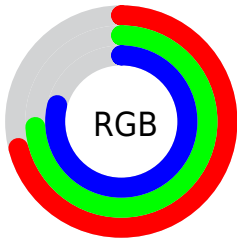
Format	Color
R_{YB}	181, 187, 201
Decimal	11910601
CIE Lab	76.34, -0.39, -6.99
CIE LCh	76, 7.003, 266.789
Yxy	50.4360, 0.2974, 0.3138
Android (android.graphics.Color)	4290100681 (0xFFB5BDC9)
YUV	187.9760, 6.4208, -6.1180
Hunter-Lab	71.0183, -4.1491, -2.4442

Details

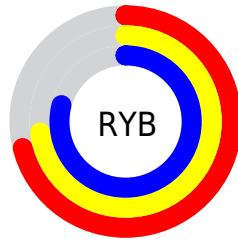
The XYZ color **47.7963, 50.4360, 62.4743** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.4981, 53.8934, 51.4053**, and the grayscale version is **47.7558, 50.2428, 54.7144**.

A 20% lighter version of the original color is **85.6275, 90.5293, 107.5686**, and **22.9727, 24.3041, 31.0841** is the 20% darker color. If you saturate the color by 10%, you get **40.9326, 43.2073, 61.4416**, and if you desaturate by 10%, it is **55.5586, 58.4508, 63.6130**.

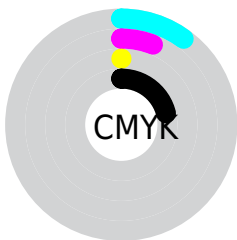
Distribution



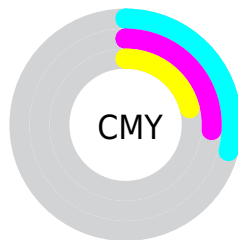
- Red (71%)
- Green (74%)
- Blue (79%)



- Red (71%)
- Yellow (73%)
- Blue (79%)



- Cyan (10%)
- Magenta (6%)
- Yellow (0%)
- Black (21%)



- Cyan (29%)
- Magenta (26%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7963, 50.4360, 62.4743 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 47.7963, 50.4360, 62.4743 by changing the saturation by 10% instead.

■ 47.7963, 50.4360,
62.4743

■ 47.7963, 50.4360,
62.4743

368.5802,
388.3685, 451.7144

■ 33.8762, 35.7600,
44.9778

■ 86.1126, 90.8205,
109.9890

■ 22.9609, 24.2489,
31.0971

111.2394,
117.2978, 140.8442

■ 14.6852, 15.5183,
20.4137

140.8326,
148.4776, 176.9894

■ 8.6836, 9.1840,
12.5091

175.2574,
184.7444, 218.8432

■ 4.5909, 4.8614,
6.9647

214.8792,
226.4824, 266.8241

■ 2.0415, 2.1662,
3.3619

260.0634,

■ 0.6571, 0.7014,

274.0762, 321.3505

1.2823

311.1752,
327.9101, 382.8411

■ 0.0000, 0.0000,
0.0472

■ 0.0000, 0.0000,
0.0000

■ 47.7963, 50.4360,
62.4743

■ 47.7963, 50.4360,
62.4743

■ 40.9326, 43.2073,
61.4416

■ 55.5586, 58.4508,
63.6130

■ 34.9288, 36.7328,
60.5083

■ 64.2474, 67.2695,
64.8572

■ 29.7499, 30.9880,
59.6724

■ 73.8946, 76.9171,
66.2109

■ 25.3567, 25.9442,
58.9304

■ 82.1347, 86.1811,
67.5647

■ 21.7066, 21.5706,
58.2786

■ 85.7486, 93.4088,
68.7694

■ 18.7523, 17.8337,
57.7130

■ 87.5428, 96.9971,
69.3674

■ 16.4407, 14.6966,
57.2293

■ 14.7099, 12.1170,
56.8226

■ 13.4485, 10.0267,
56.4856

Harmonies

Analogous

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



46.5652, 50.4360, 61.2054



47.7963, 50.4360, 62.4743



49.0875, 50.4360, 61.6428

Triad

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



47.7963, 50.4360, 62.4743



50.2324, 50.4360, 51.7143



45.8518, 50.4360, 51.0417

Complementary

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



47.7963, 50.4360, 62.4743



51.4981, 53.8934, 51.4053

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.



46.8064, 50.4360, 48.6977



47.7963, 50.4360, 62.4743



49.3373, 50.4360, 49.0734

Square

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



47.7963, 50.4360, 62.4743



50.5090, 50.4360, 55.3232



48.0798, 50.4360, 47.9937



45.4556, 50.4360, 54.5113

Rectangle

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



47.7963, 50.4360, 62.4743



49.8059, 50.4360, 60.0291



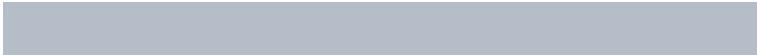
48.0798, 50.4360, 47.9937



46.1172, 50.4360, 50.1022

Sweetspot

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



47.7978, 50.4381, 62.4754



90.8448, 95.6848, 108.2887



49.5321, 55.4333, 58.3473



19.2092, 20.2382, 23.1439



0.0000, 0.0000, 0.0000



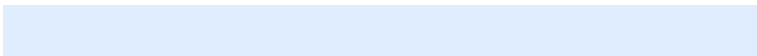
20.3446, 21.4041, 23.3091

Same Dimension

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



47.7978, 50.4381, 62.4754



79.0958, 83.4937, 106.5548



46.5167, 47.2923, 61.9357



10.3992, 10.9724, 13.4873



8.5364, 6.4668, 35.5427



0.4748, 0.4473, 1.7065

Inverse Universe

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



49.7978, 49.1405, 55.0070



83.2374, 80.8802, 91.0727



52.8697, 57.2981, 51.9902



10.8068, 10.7061, 11.9657



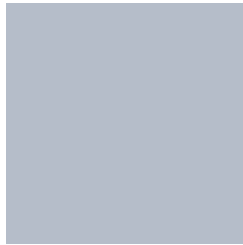
16.1081, 8.1928, 5.7793



0.7983, 0.4022, 0.4612

Previews

White Background



This preview shows how the XYZ color 47.7963, 50.4360, 62.4743 looks on a white background.

Color Contrast Check

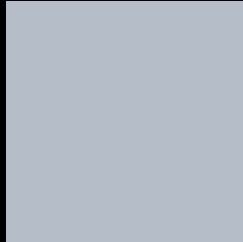
Large Text (above 18pt) WCAG AA × Fail

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 47.7963, 50.4360, 62.4743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

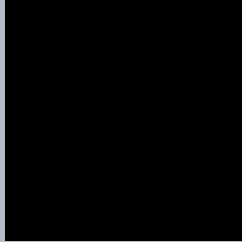
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

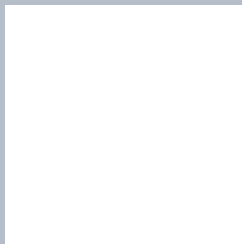
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7963, 50.4360, 62.4743

Background



This preview shows how black text looks on a background with the XYZ color 47.7963, 50.4360, 62.4743.

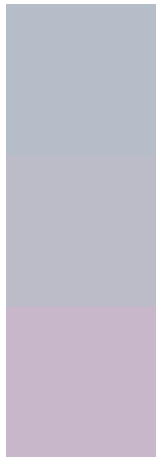


This preview shows how white text looks on a background with the XYZ color 47.7963, 50.4360,

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

47.7963, 50.4360, 62.4743

Protanopia

48.9347, 50.4021, 61.7930

Deuteranopia

51.4136, 50.4106, 62.8975



Tritanopia

48.1527, 50.5786, 64.3515

Trichromacy



Original Color

47.7963, 50.4360, 62.4743

Protanomaly

48.4161, 50.4509, 61.8298

Deuteranomaly

50.0020, 50.2996, 62.9505

Tritanomaly

48.0331, 50.5307, 63.7217

Monochromacy



Original Color

47.7963, 50.4360, 62.4743

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.6164, 50.1310, 57.6187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7963, 50.4360, 62.4743 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(181, 189, 201)` looks like.

```
.text, #text, p{  
    color:rgb(181, 189, 201)  
}
```

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(181, 189, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 189, 201) }
```

Border

The CSS property to change the border of an element to XYZ 47.7963, 50.4360, 62.4743 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(181, 189, 201) }
```


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

```
.border{ border-color:rgb(181, 189, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 189, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 189, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 189, 201);  
box-shadow:4px 4px 4px 4px rgb(181, 189,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7963, 50.4360, 62.4743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 189, 201) }
```

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

```
.background{ background-color: rgb(181,  
189, 201) }
```

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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