

Converting Colors

XYZ(51.1934, 50.3604, 84.6213)

Have a look what the booklet for
XYZ(51.1934, 50.3604, 84.6213)
contains.

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Color

**XYZ(51.2563, 50.4622,
84.8806)**

Conversions

Conversions Part 1

Format	Color
Hex	B5B9EA
RGB	181, 185, 234
RGB Percent	71%, 73%, 92%
CMY	0.2902, 0.2745, 0.0823
CMYK	0.23, 0.21, 0.00, 0.08
HSL	235°, 56%, 81%
HSV	235°, 23%, 92%
XYZ	51.2563, 50.4622, 84.8806
YIQ	189.3900, -18.1130, 14.3910

Conversions

Conversions Part 2

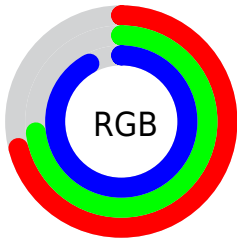
Format	Color
R _Y B	181, 185, 234
Decimal	11909610
CIE Lab	76.35, 8.91, -24.84
CIE LCh	76, 26.391, 289.733
Yxy	50.4622, 0.2747, 0.2704
Android (android.graphics.Color)	4290099690 (0xFFB5B9EA)
YUV	189.3900, 21.9927, -7.3580
Hunter-Lab	71.0368, 4.4817, -21.1189

Details

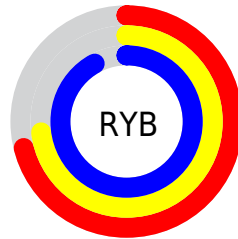
The XYZ color **51.2563, 50.4622, 84.8806** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **70.5696, 77.4225, 54.9421**, and the grayscale version is **48.4797, 51.0045, 55.5439**.

A 20% lighter version of the original color is **84.4303, 88.1351, 107.1696**, and **25.0395, 24.2289, 45.4764** is the 20% darker color. If you saturate the color by 10%, you get **42.0370, 39.4956, 83.2506**, and if you desaturate by 10%, it is **62.0889, 63.2851, 86.7856**.

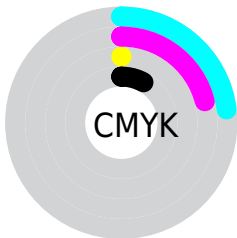
Distribution



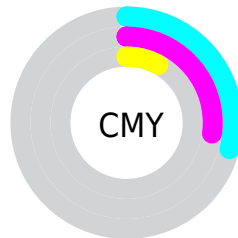
- Red (71%)
- Green (73%)
- Blue (92%)



- Red (71%)
- Yellow (73%)
- Blue (92%)



- Cyan (23%)
- Magenta (21%)
- Yellow (0%)
- Black (8%)



- Cyan (29%)
- Magenta (27%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2563, 50.4622, 84.8806 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 51.2563, 50.4622, 84.8806 by changing the saturation by 10% instead.

■ 51.2563, 50.4622,
84.8806

■ 51.2563, 50.4622,
84.8806

381.9300,
388.4707, 531.3672

■ 36.6345, 35.7808,
63.1931

■ 91.2143, 90.8593,
142.0790

■ 25.0970, 24.2649,
45.5555

117.2811,
117.3438, 178.4271

■ 16.2785, 15.5303,
31.5491

147.8937,
148.5314, 220.4991

■ 9.8135, 9.1924,
20.7553

183.4174,
184.8066, 268.7136

■ 5.3368, 4.8669,
12.7558

224.2175,
226.5538, 323.4891

■ 2.4830, 2.1694,
7.1318

270.6594,

■ 0.8867, 0.7032,

274.1572, 385.2442

3.4650

323.1085,
328.0014, 454.3973

■ 0.0000, 0.0000,
1.3367

■ 0.0000, 0.0000,
0.0916

■ 51.2563, 50.4622,
84.8806

■ 51.2563, 50.4622,
84.8806

■ 42.0370, 39.4956,
83.2506

■ 62.0889, 63.2851,
86.7856

■ 34.3492, 30.2934,
81.8796

■ 74.6018, 78.0383,
88.9737

■ 28.1111, 22.7652,
80.7553

■ 88.8641, 94.7993,
91.4572

■ 23.2314, 16.8099,
79.8630

■ 91.8514, 98.7206,
92.0566

■ 19.6084, 12.3156,
79.1864

■ 17.1260, 9.1556,
78.7073

■ 15.6460, 7.1812,
78.4042

■ 15.0624, 6.3625,
78.2770

Harmonies

Analogous

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



46.2826, 50.4622, 86.4496



51.2563, 50.4622, 84.8806



55.6161, 50.4622, 74.5620

Triad

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



51.2563, 50.4622, 84.8806



54.3965, 50.4622, 36.6238



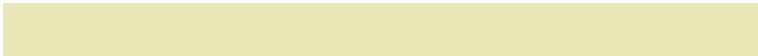
39.1753, 50.4622, 50.2179

Complementary

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



51.2563, 50.4622, 84.8806



70.5696, 77.4225, 54.9421

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.



41.0459, 50.4622, 39.1108



51.2563, 50.4622, 84.8806



49.6832, 50.4622, 32.2082

Square

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



51.2563, 50.4622, 84.8806



57.5139, 50.4622, 46.2270



44.8135, 50.4622, 33.0325



39.5324, 50.4622, 64.6949

Rectangle

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



51.2563, 50.4622, 84.8806



57.4796, 50.4622, 64.9618



44.8135, 50.4622, 33.0325



39.5591, 50.4622, 46.0143

Sweetspot

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



51.2579, 50.4642, 84.8817



83.7448, 86.6896, 106.9267



62.7045, 74.3602, 85.6055



17.7266, 18.3215, 22.8521



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.



51.2579, 50.4642, 84.8817



57.0430, 55.0915, 102.2350



56.0277, 51.6979, 84.8685



14.3226, 14.7315, 19.0108



8.4982, 3.6435, 43.9983



0.6992, 0.3499, 3.4656

Inverse Universe

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



59.2138, 54.0444, 53.2118



68.2729, 60.2180, 57.5162



64.8918, 76.1675, 54.9991



15.1116, 15.0725, 15.8730



19.1448, 9.8606, 1.2980



1.5194, 0.7807, 0.1867

Previews

White Background



This preview shows how the XYZ color 51.2563, 50.4622, 84.8806 looks on a white background.

Color Contrast Check

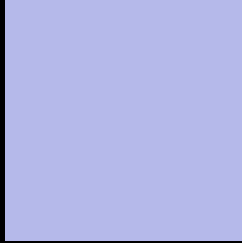
Large Text (above 18pt) WCAG AA × Fail

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 51.2563, 50.4622, 84.8806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

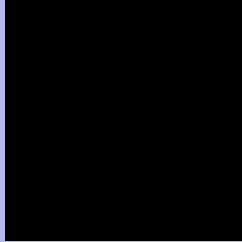
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2563, 50.4622, 84.8806

Background



This preview shows how black text looks on a background with the XYZ color 51.2563, 50.4622, 84.8806.



This preview shows how white text looks on a background with the XYZ color 51.2563, 50.4622,

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

51.2563, 50.4622, 84.8806

Protanopia

50.4588, 50.3461, 85.6556

Deuteranopia

51.5202, 50.2888, 84.8332



Tritanopia

47.3374, 50.4648, 65.0033

Trichromacy



Original Color

51.2563, 50.4622, 84.8806

Protanomaly

50.9144, 50.5809, 85.6769

Deuteranomaly

51.2832, 50.1666, 84.8221

Tritanomaly

48.7380, 50.3893, 72.1231

Monochromacy



Original Color

51.2563, 50.4622, 84.8806

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.2524, 50.8133, 64.9697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2563, 50.4622, 84.8806 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, 185, 234)` looks like.

```
.text, #text, p{  
    color:rgb(181, 185, 234)  
}
```

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, 185, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 185, 234) }
```

Border

The CSS property to change the border of an element to XYZ 51.2563, 50.4622, 84.8806 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, 185, 234) }
```


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

```
.border{ border-color:rgb(181, 185, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 185, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 185, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 185, 234);  
box-shadow:4px 4px 4px 4px rgb(181, 185,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2563, 50.4622, 84.8806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 185, 234) }
```

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

```
.background{ background-color: rgb(181,  
185, 234) }
```

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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