

Converting Colors

XYZ(50.9382, 50.4797, 82.1358)

Have a look what the booklet for
XYZ(50.9382, 50.4797, 82.1358)
contains.

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Color

**XYZ(50.9233, 50.3562,
81.8987)**

Conversions

Conversions Part 1

Format	Color
Hex	B6B9E6
RGB	182, 185, 230
RGB Percent	71%, 73%, 90%
CMY	0.2863, 0.2745, 0.0980
CMYK	0.21, 0.20, 0.00, 0.10
HSL	236°, 49%, 81%
HSV	236°, 21%, 90%
XYZ	50.9233, 50.3562, 81.8987
YIQ	189.2330, -16.2330, 13.3590

Conversions

Conversions Part 2

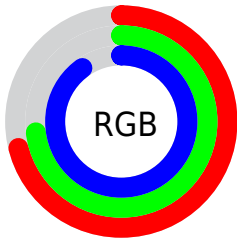
Format	Color
R _Y B	182, 185, 230
Decimal	11975142
CIE Lab	76.29, 8.31, -22.77
CIE LCh	76, 24.239, 290.040
Yxy	50.3562, 0.2780, 0.2749
Android (android.graphics.Color)	4290165222 (0xFFB6B9E6)
YUV	189.2330, 20.0981, -6.3433
Hunter-Lab	70.9621, 3.9102, -18.7542

Details

The XYZ color **50.9233, 50.3562, 81.8987** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.5462, 75.1386, 55.1477**, and the grayscale version is **48.3996, 50.9202, 55.4521**.

A 20% lighter version of the original color is **84.7652, 88.3077, 107.1852**, and **24.7933, 24.1477, 43.3986** is the 20% darker color. If you saturate the color by 10%, you get **41.7575, 39.4361, 80.2748**, and if you desaturate by 10%, it is **61.6684, 63.1083, 83.7946**.

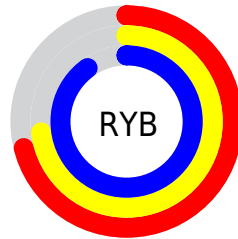
Distribution



Red (71%)

Green (73%)

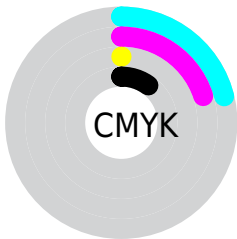
Blue (90%)



Red (71%)

Yellow (73%)

Blue (90%)

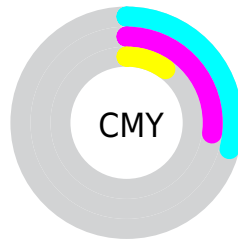


Cyan (21%)

Magenta (20%)

Yellow (0%)

Black (10%)



Cyan (29%)

Magenta (27%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9233, 50.3562, 81.8987 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 50.9233, 50.3562, 81.8987 by changing the saturation by 10% instead.

■ 50.9233, 50.3562,
81.8987

■ 50.9233, 50.3562,
81.8987

380.6583,
388.0573, 521.1833

■ 36.3684, 35.6965,
60.7467

■ 90.7251, 90.7024,
137.8673

■ 24.8903, 24.1999,
43.5916

116.7026,
117.1577, 173.5211

■ 16.1236, 15.4820,
30.0147

147.2184,
148.3137, 214.8458

■ 9.7031, 9.1583,
19.5976

182.6377,
184.5547, 262.2601

■ 5.2633, 4.8446,
11.9217

223.3260,
226.2652, 316.1824

■ 2.4389, 2.1564,
6.5685

269.6487,

■ 0.8645, 0.6961,

273.8295, 377.0314

3.1194

321.9710,
327.6321, 445.2255

■ 0.0000, 0.0000,
1.1559

■ 0.0000, 0.0000,
0.0000

■ 50.9233, 50.3562,
81.8987

■ 50.9233, 50.3562,
81.8987

■ 41.7575, 39.4361,
80.2748

■ 61.6684, 63.1083,
83.7946

■ 34.0920, 30.2581,
78.9073

■ 74.0574, 77.7647,
85.9706

■ 27.8483, 22.7338,
77.7841

■ 88.1570, 94.4014,
88.4387

■ 22.9386, 16.7647,
76.8907

■ 91.2831, 98.4932,
89.0637

■ 19.2655, 12.2417,
76.2112

■ 16.7183, 9.0417,
75.7278

■ 15.1665, 7.0208,
75.4196

■ 14.4453, 6.0377,
75.2678

Harmonies

Analogous

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



46.3647, 50.3562, 83.3968



50.9233, 50.3562, 81.8987



54.8864, 50.3562, 72.5480

Triad

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



50.9233, 50.3562, 81.8987



53.7040, 50.3562, 37.7785



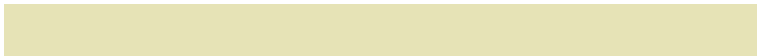
39.7515, 50.3562, 50.6088

Complementary

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



50.9233, 50.3562, 81.8987



68.5462, 75.1386, 55.1477

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.



41.4642, 50.3562, 40.2596



50.9233, 50.3562, 81.8987



49.3913, 50.3562, 33.6676

Square

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



50.9233, 50.3562, 81.8987



56.5610, 50.3562, 46.6832



44.9260, 50.3562, 34.4976



40.1042, 50.3562, 63.8720

Rectangle

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



50.9233, 50.3562, 81.8987



56.5657, 50.3562, 63.8352



44.9260, 50.3562, 34.4976



40.1004, 50.3562, 46.7130

Sweetspot

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



50.9249, 50.3582, 81.8998



85.2372, 88.4004, 107.1782



61.4268, 72.0747, 83.2036



18.0257, 18.6627, 22.9022



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.



50.9249, 50.3582, 81.8998



59.1669, 57.4651, 102.5812



55.5862, 51.8389, 81.9399



13.6548, 14.0310, 18.1329



8.2077, 3.4776, 42.6218



0.6322, 0.3082, 3.1581

Inverse Universe

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



58.1193, 53.7831, 53.2191



69.8025, 62.5816, 60.1706



63.0925, 73.5565, 55.1298



14.4134, 14.3825, 15.1112



18.5364, 9.5488, 1.1877



1.3827, 0.7108, 0.1559

Previews

White Background



This preview shows how the XYZ color 50.9233, 50.3562, 81.8987 looks on a white background.

Color Contrast Check

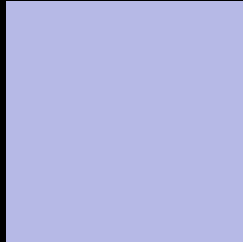
Large Text (above 18pt) WCAG AA × Fail

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 50.9233, 50.3562, 81.8987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

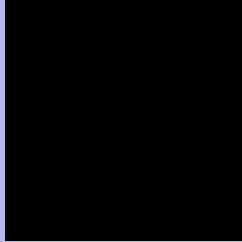
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9233, 50.3562, 81.8987

Background



This preview shows how black text looks on a background with the XYZ color 50.9233, 50.3562, 81.8987.



This preview shows how white text looks on a background with the XYZ color 50.9233, 50.3562,

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

50.9233, 50.3562, 81.8987

Protanopia

50.3428, 50.3523, 82.6669

Deuteranopia

51.4310, 50.3084, 81.8627



Tritanopia

47.3485, 50.1501, 64.9420

Trichromacy



Original Color

50.9233, 50.3562, 81.8987

Protanomaly

50.5731, 50.4710, 82.6777

Deuteranomaly

51.1906, 50.1845, 81.8515

Tritanomaly

48.7112, 50.4052, 70.7801

Monochromacy



Original Color

50.9233, 50.3562, 81.8987

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.1320, 50.7652, 64.3359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9233, 50.3562, 81.8987 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(182, 185, 230)` looks like.

```
.text, #text, p{  
    color:rgb(182, 185, 230)  
}
```

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(182, 185, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 185, 230) }
```

Border

The CSS property to change the border of an element to XYZ 50.9233, 50.3562, 81.8987 is called "border". The border property can be set on classes, ids or directly on the HTML element.

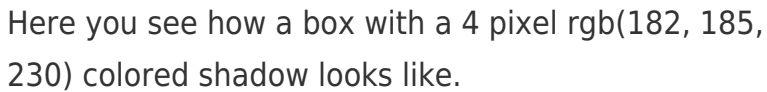
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(182, 185, 230) }
```


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

```
.border{ border-color:rgb(182, 185, 230) }
```

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



Here you see how a box with a 4 pixel `rgb(182, 185, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 185, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 185, 230);  
box-shadow:4px 4px 4px 4px rgb(182, 185,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9233, 50.3562, 81.8987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 185, 230) }
```

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

```
.background{ background-color: rgb(182,  
185, 230) }
```

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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