

Converting Colors

XYZ(51.3369, 50.1609, 86.3332)

Have a look what the booklet for
XYZ(51.3369, 50.1609, 86.3332)
contains.

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Color

**XYZ(51.3369, 50.1609,
86.3332)**

Conversions

Conversions Part 1

Format	Color
Hex	B5B8EC
RGB	181, 184, 236
RGB Percent	71%, 72%, 93%
CMY	0.2902, 0.2784, 0.0745
CMYK	0.23, 0.22, 0.00, 0.07
HSL	237°, 59%, 82%
HSV	237°, 23%, 93%
XYZ	51.3369, 50.1609, 86.3332
YIQ	189.0310, -18.4800, 15.5360

Conversions

Conversions Part 2

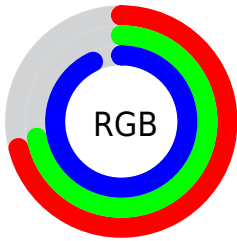
Format	Color
R _Y B	181, 184, 236
Decimal	11909356
CIE Lab	76.17, 9.92, -26.20
CIE LCh	76, 28.016, 290.732
Yxy	50.1609, 0.2733, 0.2671
Android (android.graphics.Color)	4290099436 (0xFFB5B8EC)
YUV	189.0310, 23.1557, -7.0432
Hunter-Lab	70.8244, 5.4427, -22.6960

Details

The XYZ color **51.3369, 50.1609, 86.3332** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **72.0721, 79.4472, 55.2538**, and the grayscale version is **48.2682, 50.7819, 55.3015**.

A 20% lighter version of the original color is **84.4700, 87.7173, 107.0868**, and **25.1069, 24.0399, 46.4969** is the 20% darker color. If you saturate the color by 10%, you get **41.9899, 38.9970, 84.6718**, and if you desaturate by 10%, it is **62.3554, 63.2740, 88.2844**.

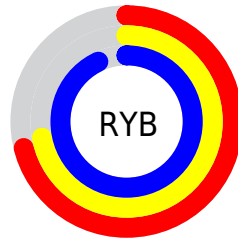
Distribution



Red (71%)

Green (72%)

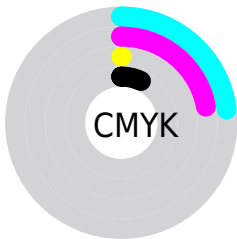
Blue (93%)



Red (71%)

Yellow (72%)

Blue (93%)

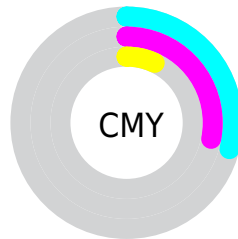


Cyan (23%)

Magenta (22%)

Yellow (0%)

Black (7%)



Cyan (29%)

Magenta (28%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3369, 50.1609, 86.3332 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 51.3369, 50.1609, 86.3332 by changing the saturation by 10% instead.

■ 51.3369, 50.1609,
86.3332

■ 51.3369, 50.1609,
86.3332

382.2374,
387.2948, 536.2885

■ 36.6989, 35.5413,
64.3871

■ 91.3326, 90.4132,
144.1250

■ 25.1471, 24.0801,
46.5161

117.4210,
116.8147, 180.8078

■ 16.3160, 15.3931,
32.3016

148.0570,
147.9123, 223.2399

■ 9.8403, 9.0957,
21.3253

183.6059,
184.0903, 271.8398

■ 5.3546, 4.8037,
13.1684

224.4330,
225.7331, 327.0260

■ 2.4937, 2.1325,
7.4125

270.9037,

■ 0.8921, 0.6828,

273.2252, 389.2172

3.6391

323.3834,
326.9510, 458.8318

■ 0.0000, 0.0000,
1.4295

■ 0.0000, 0.0000,
0.1646

■ 51.3369, 50.1609,
86.3332

■ 51.3369, 50.1609,
86.3332

■ 41.9899, 38.9970,
84.6718

■ 62.3554, 63.2740,
88.2844

■ 34.2282, 29.6836,
83.2833

■ 75.1165, 78.4167,
90.5346

■ 27.9652, 22.1224,
82.1539

■ 89.6928, 95.6723,
93.0970

■ 23.1041, 16.2037,
81.2677

■ 92.1405, 98.8362,
93.5787

■ 19.5366, 11.8052,
80.6067

■ 17.1387, 8.7878,
80.1507

■ 15.7618, 6.9865,
79.8756

■ 15.2829, 6.3409,
79.7762

Harmonies

Analogous

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



46.0703, 50.1609, 88.3756



51.3369, 50.1609, 86.3332



55.9195, 50.1609, 75.0173

Triad

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



51.3369, 50.1609, 86.3332



54.3500, 50.1609, 35.1660



38.3983, 50.1609, 50.0950

Complementary

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



51.3369, 50.1609, 86.3332



72.0721, 79.4472, 55.2538

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.



40.2860, 50.1609, 38.2968



51.3369, 50.1609, 86.3332



49.3195, 50.1609, 30.7795

Square

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



51.3369, 50.1609, 86.3332



57.7458, 50.1609, 45.0157



44.1942, 50.1609, 31.8097



38.8514, 50.1609, 65.4941

Rectangle

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



51.3369, 50.1609, 86.3332



57.8460, 50.1609, 64.7147



44.1942, 50.1609, 31.8097



38.7746, 50.1609, 45.6279

Sweetspot

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



51.3385, 50.1629, 86.3343



83.6358, 86.4717, 106.8904



63.6656, 75.6609, 87.8418



17.7015, 18.2712, 22.8437



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.



51.3385, 50.1629, 86.3343



55.5972, 53.1126, 101.9292



56.7964, 52.0608, 86.4130



14.2972, 14.6807, 19.0024



8.4529, 3.5527, 43.9832



0.6870, 0.3256, 3.4615

Inverse Universe

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



59.7690, 54.3428, 52.6886



67.3204, 58.9842, 55.1296



65.5366, 77.3500, 55.1935



15.0988, 15.0674, 15.8055



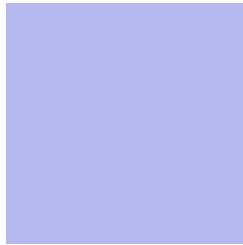
19.1219, 9.8515, 1.1774



1.5133, 0.7783, 0.1544

Previews

White Background



This preview shows how the XYZ color 51.3369, 50.1609, 86.3332 looks on a white background.

Color Contrast Check

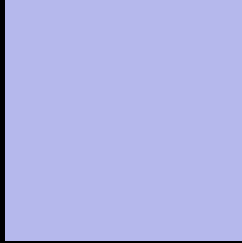
Large Text (above 18pt) WCAG AA × Fail

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 51.3369, 50.1609, 86.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

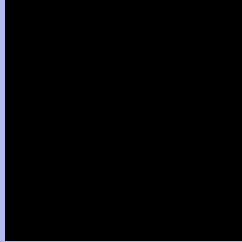
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3369, 50.1609, 86.3332

Background



This preview shows how black text looks on a background with the XYZ color 51.3369, 50.1609, 86.3332.



This preview shows how white text looks on a background with the XYZ color 51.3369, 50.1609,

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

51.3369, 50.1609, 86.3332

Protanopia

50.5242, 50.3462, 87.1756

Deuteranopia

51.3369, 50.1609, 86.3332



Tritanopia

47.1121, 50.3486, 64.9928

Trichromacy



Original Color

51.3369, 50.1609, 86.3332

Protanomaly

50.7665, 50.1595, 87.1268

Deuteranomaly

51.3369, 50.1609, 86.3332

Tritanomaly

48.5094, 50.2714, 72.1124

Monochromacy



Original Color

51.3369, 50.1609, 86.3332

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.1606, 50.4360, 65.5366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3369, 50.1609, 86.3332 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, 184, 236)` looks like.

```
.text, #text, p{  
    color:rgb(181, 184, 236)  
}
```

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, 184, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 184, 236) }
```

Border

The CSS property to change the border of an element to XYZ 51.3369, 50.1609, 86.3332 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, 184, 236) }
```


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

```
.border{ border-color:rgb(181, 184, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 184, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 184, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 184, 236);  
box-shadow:4px 4px 4px 4px rgb(181, 184,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3369, 50.1609, 86.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 184, 236) }
```

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

```
.background{ background-color: rgb(181,  
184, 236) }
```

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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