

Converting Colors

XYZ(50.9078, 50.7852, 89.4031)

Have a look what the booklet for
XYZ(50.9078, 50.7852, 89.4031)
contains.

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Color

**XYZ(50.9541, 50.8306,
89.5638)**

Conversions

Conversions Part 1

Format	Color
Hex	AEBBF0
RGB	174, 187, 240
RGB Percent	68%, 73%, 94%
CMY	0.3176, 0.2667, 0.0588
CMYK	0.27, 0.22, 0.00, 0.06
HSL	228°, 69%, 81%
HSV	228°, 27%, 94%
XYZ	50.9541, 50.8306, 89.5638
YIQ	189.1550, -24.7610, 13.7270

Conversions

Conversions Part 2

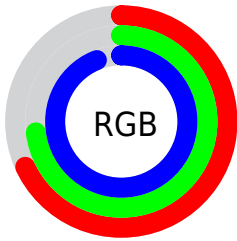
Format	Color
RYB	174, 185, 240
Decimal	11451376
CIELab	76.58, 7.14, -27.78
CIELCh	77, 28.683, 284.420
Yxy	50.8306, 0.2663, 0.2656
Android (android.graphics.Color)	4289641456 (0xFFAEBBF0)
YUV	189.1550, 25.0666, -13.2909
Hunter-Lab	71.2956, 2.8045, -24.5751

Details

The XYZ color **50.9541, 50.8306, 89.5638** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **71.0451, 76.5201, 51.0715**, and the grayscale version is **48.3310, 50.8480, 55.3735**.

A 20% lighter version of the original color is **83.0556, 88.3101, 107.2758**, and **24.9226, 24.5040, 48.7636** is the 20% darker color. If you saturate the color by 10%, you get **42.2597, 40.6818, 88.0640**, and if you desaturate by 10%, it is **61.1558, 62.5733, 91.2935**.

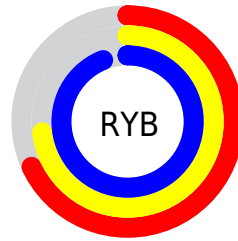
Distribution



Red (68%)

Green (73%)

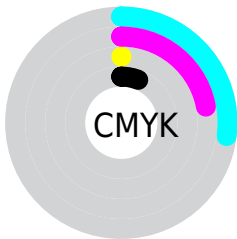
Blue (94%)



Red (68%)

Yellow (73%)

Blue (94%)

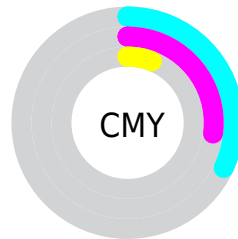


Cyan (27%)

Magenta (22%)

Yellow (0%)

Black (6%)



Cyan (32%)

Magenta (27%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9541, 50.8306, 89.5638 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 50.9541, 50.8306, 89.5638 by changing the saturation by 10% instead.

■ 50.9541, 50.8306,
89.5638

■ 50.9541, 50.8306,
89.5638

380.7760,
389.9053, 547.1443

■ 36.3930, 36.0738,
67.0472

■ 90.7703, 91.4043,
148.6626

■ 24.9094, 24.4912,
48.6612

116.7561,
117.9900, 186.0819

■ 16.1379, 15.6984,
33.9871

147.2809,
149.2875, 229.3058

■ 9.7133, 9.3110,
22.6064

182.7099,
185.6812, 278.7530

■ 5.2701, 4.9446,
14.1006

223.4086,
227.5554, 334.8418

■ 2.4430, 2.2148,
8.0511

269.7422,

■ 0.8666, 0.7280,

275.2945, 397.9910

4.0394

322.0763,
329.2830, 468.6190

■ 0.0000, 0.0000,
1.6470

■ 0.0000, 0.0000,
0.3240

■ 50.9541, 50.8306,
89.5638

■ 50.9541, 50.8306,
89.5638

■ 42.2597, 40.6818,
88.0640

■ 61.1558, 62.5733,
91.2935

■ 34.9950, 32.0512,
86.7810

■ 72.9274, 75.9691,
93.2588

■ 29.0830, 24.8659,
85.7057

■ 86.3340, 91.0815,
95.4692

■ 24.4371, 19.0444,
84.8269

■ 92.7283, 99.0713,
96.6743

■ 20.9603, 14.4967,
84.1324

■ 18.5406, 11.1209,
83.6083

■ 17.0358, 8.7947,
83.2386

■ 16.7559, 8.3465,
83.1669

Harmonies

Analogous

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



45.5685, 50.8306, 89.3485



50.9541, 50.8306, 89.5638



55.9778, 50.8306, 79.5084

Triad

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



50.9541, 50.8306, 89.5638



56.1425, 50.8306, 36.9791



38.9564, 50.8306, 47.7127

Complementary

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



50.9541, 50.8306, 89.5638



71.0451, 76.5201, 51.0715

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.



41.3818, 50.8306, 36.6536



50.9541, 50.8306, 89.5638



51.1655, 50.8306, 31.2931

Square

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



50.9541, 50.8306, 89.5638



59.1217, 50.8306, 48.2432



45.7647, 50.8306, 31.1863



38.9091, 50.8306, 63.1136

Rectangle

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



50.9541, 50.8306, 89.5638



58.3324, 50.8306, 69.2540



45.7647, 50.8306, 31.1863



39.5120, 50.8306, 43.4369

Sweetspot

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



50.9558, 50.8326, 89.5650



82.9339, 86.3240, 106.8988



62.4545, 76.8550, 84.0723



17.2926, 17.9569, 22.8046



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.



50.9558, 50.8326, 89.5650



52.6728, 51.5828, 101.7881



53.0625, 48.0080, 88.9087



15.1493, 15.7328, 19.9599



9.2458, 4.7158, 45.5508



0.8365, 0.5270, 3.8119

Inverse Universe

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



60.0423, 52.3869, 53.9629



64.7899, 53.9353, 54.2490



68.3770, 80.6241, 52.0042



15.9001, 15.8097, 17.0300



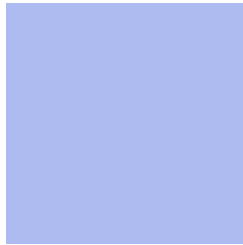
19.9925, 10.2694, 2.6109



1.6972, 0.8679, 0.3962

Previews

White Background



This preview shows how the XYZ color 50.9541, 50.8306, 89.5638 looks on a white background.

Color Contrast Check

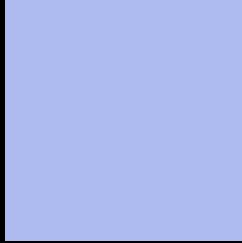
Large Text (above 18pt) WCAG AA × Fail

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 50.9541, 50.8306, 89.5638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

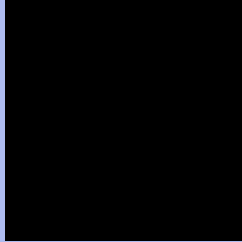
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9541, 50.8306, 89.5638

Background



This preview shows how black text looks on a background with the XYZ color 50.9541, 50.8306, 89.5638.



This preview shows how white text looks on a background with the XYZ color 50.9541, 50.8306,

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

50.9541, 50.8306, 89.5638

Protanopia

51.1777, 50.9459, 89.5743

Deuteranopia

51.8995, 50.6925, 89.4873



Tritanopia

46.3915, 50.9095, 67.0559

Trichromacy



Original Color

50.9541, 50.8306, 89.5638

Protanomaly

51.1777, 50.9459, 89.5743

Deuteranomaly

51.6472, 50.8741, 89.5357

Tritanomaly

48.1266, 50.9750, 75.0128

Monochromacy



Original Color

50.9541, 50.8306, 89.5638

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.1356, 50.7109, 66.8730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9541, 50.8306, 89.5638 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(174, 187, 240)` looks like.

```
.text, #text, p{  
    color:rgb(174, 187, 240)  
}
```

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(174, 187, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 187, 240) }
```

Border

The CSS property to change the border of an element to XYZ 50.9541, 50.8306, 89.5638 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(174, 187, 240) }
```


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

```
.border{ border-color:rgb(174, 187, 240) }
```

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

Here you see how a box with a 4 pixel rgb(174, 187, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 187, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 187, 240);  
box-shadow:4px 4px 4px 4px rgb(174, 187,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9541, 50.8306, 89.5638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 187, 240) }
```

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

```
.background{ background-color: rgb(174,  
187, 240) }
```

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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