

Converting Colors

XYZ(50.5166, 49.2403, 94.8375)

Have a look what the booklet for
XYZ(50.5166, 49.2403, 94.8375)
contains.

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Color

**XYZ(50.5166, 49.2403,
94.8375)**

Conversions

Conversions Part 1

Format	Color
Hex	ABB7F7
RGB	171, 183, 247
RGB Percent	67%, 72%, 97%
CMY	0.3294, 0.2823, 0.0314
CMYK	0.31, 0.26, 0.00, 0.03
HSL	231°, 83%, 82%
HSV	231°, 31%, 97%
XYZ	50.5166, 49.2403, 94.8375
YIQ	186.7080, -27.6960, 17.3600

Conversions

Conversions Part 2

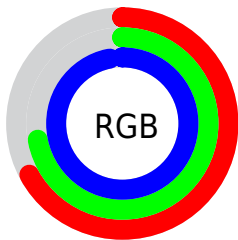
Format	Color
R_{YB}	171, 181, 247
Decimal	11253751
CIE _{Lab}	75.60, 10.18, -33.07
CIE _{LCh}	76, 34.602, 287.114
Yxy	49.2403, 0.2596, 0.2530
Android (android.graphics.Color)	4289443831 (0xFFABB7F7)
YUV	186.7080, 29.7240, -13.7759
Hunter-Lab	70.1714, 5.7026, -31.0111

Details

The XYZ color **50.5166, 49.2403, 94.8375** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **75.4178, 82.1321, 50.4080**, and the grayscale version is **46.9201, 49.3636, 53.7570**.

A 20% lighter version of the original color is **80.9114, 85.4470, 106.8362**, and **24.6130, 23.4649, 51.9471** is the 20% darker color. If you saturate the color by 10%, you get **41.6530, 38.7667, 93.2839**, and if you desaturate by 10%, it is **61.0228, 61.5039, 96.6517**.

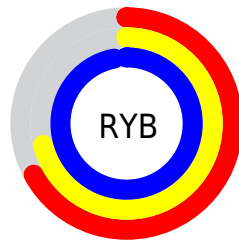
Distribution



Red (67%)

Green (72%)

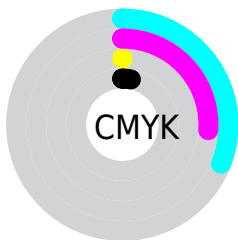
Blue (97%)



Red (67%)

Yellow (71%)

Blue (97%)

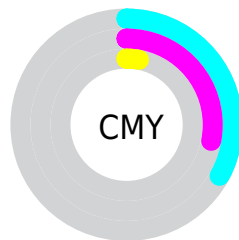


Cyan (31%)

Magenta (26%)

Yellow (0%)

Black (3%)



Cyan (33%)

Magenta (28%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5166, 49.2403, 94.8375 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 50.5166, 49.2403, 94.8375 by changing the saturation by 10% instead.

■ 50.5166, 49.2403,
94.8375

■ 50.5166, 49.2403,
94.8375

379.1014,
383.6876, 564.6157

■ 36.0435, 34.8101,
71.4036

■ 90.1271, 89.0482,
156.0337

■ 24.6381, 23.5167,
52.1878

115.9952,
115.1948, 194.6331

■ 15.9349, 14.9755,
36.7715

146.3923,
146.0157, 239.1248

■ 9.5687, 8.8022,
24.7362

181.6839,
181.8952, 289.9272

■ 5.1740, 4.6124,
15.6634

222.2353,
223.2177, 347.4590

■ 2.3855, 2.0217,
9.1345

268.4117,

■ 0.8379, 0.6200,

270.3677, 412.1386

4.7310

320.5786,
323.7295, 484.3847

■ 0.0000, 0.0000,
2.0344

■ 0.0000, 0.0000,
0.5763

■ 50.5166, 49.2403,
94.8375

■ 50.5166, 49.2403,
94.8375

■ 41.6530, 38.7667,
93.2839

■ 61.0228, 61.5039,
96.6517

■ 34.3431, 29.9931,
91.9757

■ 73.2444, 75.6305,
98.7343

■ 28.4974, 22.8301,
90.9012

■ 87.2557, 91.6959,
101.0967

■ 24.0147, 17.1777,
90.0465

■ 93.7887, 99.4955,
102.2579

■ 20.7805, 12.9243,
89.3959

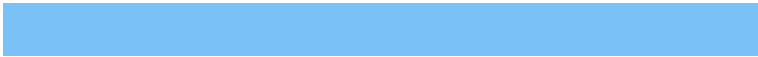
■ 18.6609, 9.9420,
88.9320

■ 17.5142, 8.1666,
88.6497

Harmonies

Analogous

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



44.1107, 49.2403, 95.8252



50.5166, 49.2403, 94.8375



56.4085, 49.2403, 81.3494

Triad

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



50.5166, 49.2403, 94.8375



55.6845, 49.2403, 31.7171



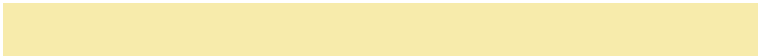
35.8023, 49.2403, 46.1334

Complementary

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



50.5166, 49.2403, 94.8375



75.4178, 82.1321, 50.4080

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.



38.3522, 49.2403, 33.0306



50.5166, 49.2403, 94.8375



49.5994, 49.2403, 26.0768

Square

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



50.5166, 49.2403, 94.8375



59.5736, 49.2403, 43.8983



43.2730, 49.2403, 26.4952



35.9992, 49.2403, 64.6675

Rectangle

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



50.5166, 49.2403, 94.8375



59.0773, 49.2403, 68.5195



43.2730, 49.2403, 26.4952



36.3561, 49.2403, 41.0445

Sweetspot

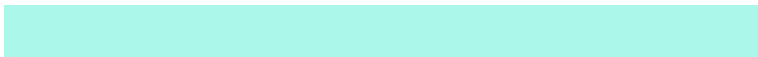
The Sweet Spot groups the original color and five complimentary colors.



50.5182, 49.2422, 94.8386



81.2466, 84.1874, 106.5754



64.9559, 81.1403, 90.3324



16.9444, 17.5070, 22.7361



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.



50.5182, 49.2422, 94.8386



48.1143, 45.6344, 100.8802



54.2047, 47.6235, 94.3319



15.7924, 16.3492, 20.8659



9.3279, 4.4497, 46.9053



0.8809, 0.5132, 4.1429

Inverse Universe

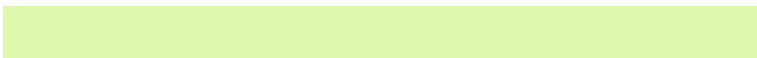
The Inverse Universe completely reimagines the original color for something new.



61.4693, 52.3206, 51.6608



61.7156, 49.7443, 47.1889



70.6349, 84.9399, 51.2021



16.6058, 16.5252, 17.6708



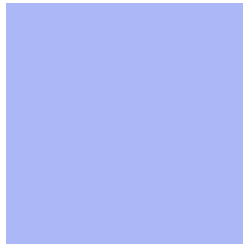
20.5128, 10.5486, 2.1430



1.8337, 0.9394, 0.3506

Previews

White Background



This preview shows how the XYZ color 50.5166, 49.2403, 94.8375 looks on a white background.

Color Contrast Check

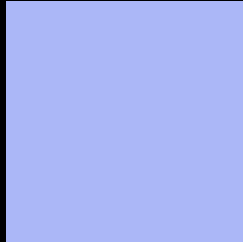
Large Text (above 18pt) WCAG AA × Fail

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 50.5166, 49.2403, 94.8375 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 50.5166, 49.2403, 94.8375

Background



This preview shows how black text looks on a background with the XYZ color 50.5166, 49.2403, 94.8375.



This preview shows how white text looks on a background with the XYZ color 50.5166, 49.2403,

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

50.5166, 49.2403, 94.8375

Protanopia

50.2322, 49.3831, 95.6913

Deuteranopia

50.5166, 49.2403, 94.8375



Tritanopia

44.6717, 49.3992, 65.5731

Trichromacy



Original Color

50.5166, 49.2403, 94.8375

Protanomaly

50.4460, 49.4933, 95.7013

Deuteranomaly

50.5166, 49.2403, 94.8375

Tritanomaly

46.5514, 49.1862, 75.4470

Monochromacy



Original Color

50.5166, 49.2403, 94.8375

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.1236, 49.5450, 67.3484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5166, 49.2403, 94.8375 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(171, 183, 247)` looks like.

```
.text, #text, p{  
    color:rgb(171, 183, 247)  
}
```

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(171, 183, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 183, 247) }
```

Border

The CSS property to change the border of an element to XYZ 50.5166, 49.2403, 94.8375 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(171, 183, 247) }
```


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

```
.border{ border-color:rgb(171, 183, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 183, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 183, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 183, 247);  
box-shadow:4px 4px 4px 4px rgb(171, 183,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5166, 49.2403, 94.8375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 183, 247) }
```

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

```
.background{ background-color: rgb(171,  
183, 247) }
```

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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