

Converting Colors

XYZ(47.8335, 47.6600, 84.3744)

Have a look what the booklet for
XYZ(47.8335, 47.6600, 84.3744)
contains.

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Color

**XYZ(47.9414, 47.8314,
84.5475)**

Conversions

Conversions Part 1

Format	Color
Hex	A9B6EA
RGB	169, 182, 234
RGB Percent	66%, 71%, 92%
CMY	0.3372, 0.2863, 0.0823
CMYK	0.28, 0.22, 0.00, 0.08
HSL	228°, 61%, 79%
HSV	228°, 28%, 92%
XYZ	47.9414, 47.8314, 84.5475
YIQ	184.0410, -24.4400, 13.4160

Conversions

Conversions Part 2

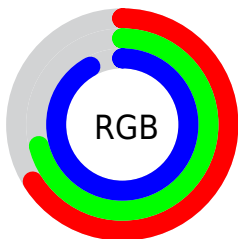
Format	Color
R_{YB}	169, 180, 234
Decimal	11122410
CIE Lab	74.72, 6.98, -27.42
CIE LCh	75, 28.291, 284.288
Yxy	47.8314, 0.2659, 0.2653
Android (android.graphics.Color)	4289312490 (0xFFA9B6EA)
YUV	184.0410, 24.6298, -13.1910
Hunter-Lab	69.1602, 2.7045, -24.0691

Details

The XYZ color **47.9414, 47.8314, 84.5475** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **66.9503, 72.0705, 47.9199**, and the grayscale version is **45.4618, 47.8293, 52.0862**.

A 20% lighter version of the original color is **79.6759, 84.3766, 106.6947**, and **22.9564, 22.5597, 45.2640** is the 20% darker color. If you saturate the color by 10%, you get **39.7827, 38.3105, 83.1406**, and if you desaturate by 10%, it is **57.5141, 58.8441, 86.1695**.

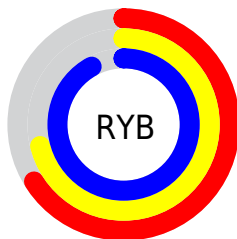
Distribution



Red (66%)

Green (71%)

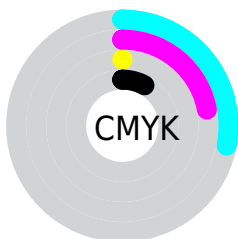
Blue (92%)



Red (66%)

Yellow (71%)

Blue (92%)

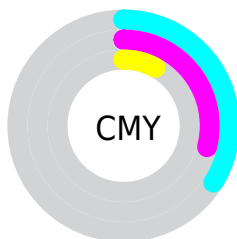


Cyan (28%)

Magenta (22%)

Yellow (0%)

Black (8%)



Cyan (34%)

Magenta (29%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9414, 47.8314, 84.5475 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 47.9414, 47.8314, 84.5475 by changing the saturation by 10% instead.

■ 47.9414, 47.8314,
84.5475

■ 47.9414, 47.8314,
84.5475

369.1463,
378.1234, 530.2351

■ 33.9915, 33.6934,
62.9196

■ 86.3274, 86.9533,
141.6093

■ 23.0500, 22.6582,
45.3356

111.4942,
112.7060, 177.8803

■ 14.7513, 14.3413,
31.3769

141.1307,
143.0991, 219.8694

■ 8.7302, 8.3584,
20.6252

175.6023,
178.5169, 267.9951

■ 4.6213, 4.3251,
12.6617

215.2743,
219.3438, 322.6760

■ 2.0593, 1.8571,
7.0681

260.5120,

■ 0.6669, 0.5224,

265.9643, 384.3306

3.4256

311.6809,
318.7627, 453.3774

■ 0.0000, 0.0000,
1.3158

■ 0.0000, 0.0000,
0.0747

■ 47.9414, 47.8314,
84.5475

■ 47.9414, 47.8314,
84.5475

■ 39.7827, 38.3105,
83.1406

■ 57.5141, 58.8441,
86.1695

■ 32.9651, 30.2108,
81.9365

■ 68.5595, 71.4041,
88.0116

■ 27.4165, 23.4641,
80.9267

■ 81.1387, 85.5706,
90.0830

■ 23.0554, 17.9941,
80.1008

■ 91.8514, 98.7206,
92.0566

■ 19.7908, 13.7168,
79.4472

■ 17.5175, 10.5371,
78.9533

■ 16.0989, 8.3388,
78.6038

■ 15.8601, 7.9579,
78.5428

Harmonies

Analogous

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



42.8421, 47.8314, 84.2967



47.9414, 47.8314, 84.5475



52.7066, 47.8314, 75.0427

Triad

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



47.9414, 47.8314, 84.5475



52.8982, 47.8314, 34.7343



36.6095, 47.8314, 44.7960

Complementary

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



47.9414, 47.8314, 84.5475



66.9503, 72.0705, 47.9199

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.



38.9142, 47.8314, 34.3566



47.9414, 47.8314, 84.5475



48.1872, 47.8314, 29.3376

Square

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



47.9414, 47.8314, 84.5475



55.7110, 47.8314, 45.4123



43.0702, 47.8314, 29.2138



36.5546, 47.8314, 59.3709

Rectangle

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



47.9414, 47.8314, 84.5475



54.9452, 47.8314, 65.3283



43.0702, 47.8314, 29.2138



37.1385, 47.8314, 40.7565

Sweetspot

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



47.9430, 47.8333, 84.5486



82.9520, 86.3601, 106.9049



58.6934, 72.4446, 78.5431



17.2972, 17.9659, 22.8061



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.



47.9430, 47.8333, 84.5486



52.7271, 51.6915, 101.8062



49.6362, 44.9354, 83.9000



14.4752, 15.0368, 19.0617



8.9830, 4.6129, 44.1599



0.7717, 0.4949, 3.4897

Inverse Universe

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



56.5644, 49.2472, 50.7823



64.8174, 53.9463, 54.3934



64.7813, 76.2467, 48.8404



15.1886, 15.1033, 16.2787



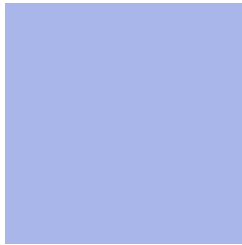
19.3895, 9.9585, 2.5864



1.5560, 0.7954, 0.3794

Previews

White Background



This preview shows how the XYZ color 47.9414, 47.8314, 84.5475 looks on a white background.

Color Contrast Check

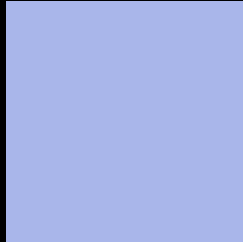
Large Text (above 18pt) WCAG AA × Fail

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 47.9414, 47.8314, 84.5475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

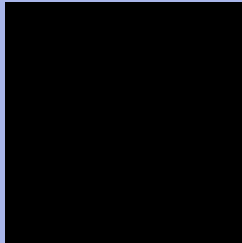
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9414, 47.8314, 84.5475

Background



This preview shows how black text looks on a background with the XYZ color 47.9414, 47.8314, 84.5475.



This preview shows how white text looks on a background with the XYZ color 47.9414, 47.8314,

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

47.9414, 47.8314, 84.5475

Protanopia

48.1568, 47.9425, 84.5576

Deuteranopia

48.8517, 47.6970, 84.4736



Tritanopia

43.8670, 48.0648, 63.4653

Trichromacy



Original Color

47.9414, 47.8314, 84.5475

Protanomaly

48.1568, 47.9425, 84.5576

Deuteranomaly

48.6087, 47.8725, 84.5203

Tritanomaly

45.2136, 47.9722, 70.4949

Monochromacy



Original Color

47.9414, 47.8314, 84.5475

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.1846, 47.7149, 62.6528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9414, 47.8314, 84.5475 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(169, 182, 234)` looks like.

```
.text, #text, p{  
    color:rgb(169, 182, 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(169, 182, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 182, 234) }
```

Border

The CSS property to change the border of an element to XYZ 47.9414, 47.8314, 84.5475 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(169, 182, 234) }
```


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

```
.border{ border-color:rgb(169, 182, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 182, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 182, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 182, 234);  
box-shadow:4px 4px 4px 4px rgb(169, 182,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9414, 47.8314, 84.5475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 182, 234) }
```

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

```
.background{ background-color: rgb(169,  
182, 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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