

Converting Colors

XYZ(47.8122, 42.9875, 94.1594)

Have a look what the booklet for
XYZ(47.8122, 42.9875, 94.1594)
contains.

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Color

**XYZ(47.6583, 42.8721,
93.7590)**

Conversions

Conversions Part 1

Format	Color
Hex	ADA6F7
RGB	173, 166, 247
RGB Percent	68%, 65%, 97%
CMY	0.3216, 0.3490, 0.0314
CMYK	0.30, 0.33, 0.00, 0.03
HSL	245°, 84%, 81%
HSV	245°, 33%, 97%
XYZ	47.6583, 42.8721, 93.7590
YIQ	177.3270, -21.8290, 26.6750

Conversions

Conversions Part 2

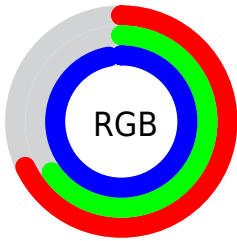
Format	Color
R _Y B	173, 166, 247
Decimal	11380471
CIE Lab	71.47, 20.21, -39.47
CIE LCh	71, 44.340, 297.113
Yxy	42.8721, 0.2586, 0.2326
Android (android.graphics.Color)	4289570551 (0xFFADA6F7)
YUV	177.3270, 34.3488, -3.7948
Hunter-Lab	65.4768, 15.3396, -39.0661

Details

The XYZ color **47.6583, 42.8721, 93.7590** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.0799, 87.8009, 49.0155**, and the grayscale version is **41.7963, 43.9730, 47.8866**.

A 20% lighter version of the original color is **76.5396, 75.7559, 105.1960**, and **22.7828, 19.6039, 51.2983** is the 20% darker color. If you saturate the color by 10%, you get **39.0167, 32.3804, 92.1901**, and if you desaturate by 10%, it is **58.0078, 55.5259, 95.6567**.

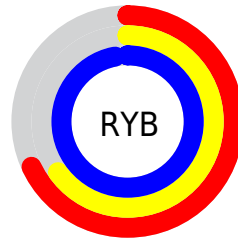
Distribution



Red (68%)

Green (65%)

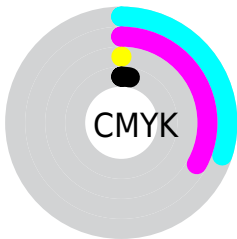
Blue (97%)



Red (68%)

Yellow (65%)

Blue (97%)

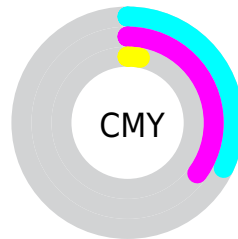


Cyan (30%)

Magenta (33%)

Yellow (0%)

Black (3%)



Cyan (32%)

Magenta (35%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6583, 42.8721, 93.7590 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 47.6583, 42.8721, 93.7590 by changing the saturation by 10% instead.

■ 47.6583, 42.8721,
93.7590

■ 47.6583, 42.8721,
93.7590

368.0413,
358.0855, 561.0669

■ 33.7665, 29.7848,
70.5114

■ 85.9082, 79.5178,
154.5298

■ 22.8763, 19.6753,
51.4641

■ 110.9970,
103.8450, 192.8900

■ 14.6224, 12.1592,
36.1988

140.5489,
132.6876, 237.1248

■ 8.6394, 6.8522,
24.2969

174.9291,
166.4300, 287.6528

■ 4.5619, 3.3698,
15.3398

214.5031,
205.4566, 344.8924

■ 2.0247, 1.3277,
8.9089

259.6363,

■ 0.6478, 0.1625,

250.1518, 409.2623

4.5858

310.6939,
300.9000, 481.1810

■ 0.0000, 0.0000,
1.9519

■ 0.0000, 0.0000,
0.5255

■ 47.6583, 42.8721,
93.7590

■ 47.6583, 42.8721,
93.7590

■ 39.0167, 32.3804,
92.1901

■ 58.0078, 55.5259,
95.6567

■ 31.9867, 23.9251,
90.9286

■ 70.1456, 70.4483,
97.8973

■ 26.4692, 17.3749,
89.9551

■ 84.1525, 87.7447,
100.4976

■ 22.3524, 12.5812,
89.2468

■ 93.7887, 99.4955,
102.2578

■ 19.5087, 9.3734,
88.7775

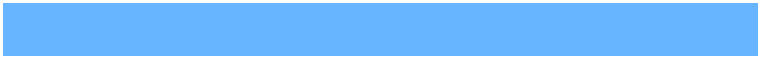
■ 17.7868, 7.5464,
88.5156

■ 17.1053, 6.8787,
88.4227

Harmonies

Analogous

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



40.0287, 42.8721, 101.0602



47.6583, 42.8721, 93.7590



54.0532, 42.8721, 72.7972

Triad

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



47.6583, 42.8721, 93.7590



49.0644, 42.8721, 19.9386



28.0104, 42.8721, 44.6369

Complementary

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



47.6583, 42.8721, 93.7590



76.0799, 87.8009, 49.0155

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.



29.8288, 42.8721, 27.7024



47.6583, 42.8721, 93.7590



41.4772, 42.8721, 16.4514

Square

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



47.6583, 42.8721, 93.7590



54.9322, 42.8721, 30.3176



34.5414, 42.8721, 18.7852



29.2444, 42.8721, 68.0722

Rectangle

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



47.6583, 42.8721, 93.7590



56.4316, 42.8721, 56.4792



34.5414, 42.8721, 18.7852



28.2791, 42.8721, 38.0860

Sweetspot

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



47.6598, 42.8738, 93.7600



79.3905, 80.6420, 105.9889



63.7493, 77.2910, 99.5552



16.5571, 16.7234, 22.6052



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.



47.6598, 42.8738, 93.7600



45.2028, 38.7541, 99.7056



57.9392, 48.1730, 94.2411



15.7139, 15.9952, 20.8017



9.0941, 3.6625, 46.7656



0.8438, 0.3449, 4.1123

Inverse Universe

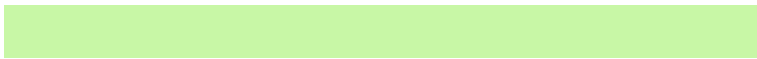
The Inverse Universe completely reimagines the original color for something new.



67.7233, 53.3394, 89.1651



69.7500, 51.5649, 93.7923



63.8977, 81.5207, 48.4454



17.1482, 16.7421, 20.5271



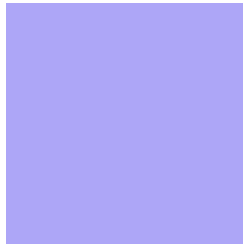
27.5478, 13.3626, 39.1887



2.4390, 1.1816, 3.5382

Previews

White Background



This preview shows how the XYZ color 47.6583, 42.8721, 93.7590 looks on a white background.

Color Contrast Check

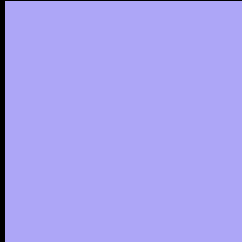
Large Text (above 18pt) WCAG AA × Fail

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 47.6583, 42.8721, 93.7590 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 47.6583, 42.8721, 93.7590

Background



This preview shows how black text looks on a background with the XYZ color 47.6583, 42.8721, 93.7590.



This preview shows how white text looks on a background with the XYZ color 47.6583, 42.8721,

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

47.6583, 42.8721, 93.7590

Protanopia

44.7176, 42.9229, 98.0235

Deuteranopia

44.1558, 43.0250, 93.1662



Tritanopia

40.0264, 42.8873, 55.4587

Trichromacy



Original Color

47.6583, 42.8721, 93.7590

Protanomaly

45.7306, 42.9207, 96.3167

Deuteranomaly

45.1098, 42.6724, 93.0478

Tritanomaly

42.4273, 42.6973, 67.6333

Monochromacy



Original Color

47.6583, 42.8721, 93.7590

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.5087, 43.3815, 61.9574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6583, 42.8721, 93.7590 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(173, 166, 247)` looks like.

```
.text, #text, p{  
    color:rgb(173, 166, 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(173, 166, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 166, 247) }
```

Border

The CSS property to change the border of an element to XYZ 47.6583, 42.8721, 93.7590 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(173, 166, 247) }
```


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

```
.border{ border-color:rgb(173, 166, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 166, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 166, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 166, 247);  
box-shadow:4px 4px 4px 4px rgb(173, 166,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6583, 42.8721, 93.7590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 166, 247) }
```

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

```
.background{ background-color: rgb(173,  
166, 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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