

Converting Colors

XYZ(51.6067, 47.4008, 82.8105)

Have a look what the booklet for
XYZ(51.6067, 47.4008, 82.8105)
contains.

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Color

**XYZ(51.6939, 47.4358,
82.7754)**

Conversions

Conversions Part 1

Format	Color
Hex	C1AEE8
RGB	193, 174, 232
RGB Percent	76%, 68%, 91%
CMY	0.2431, 0.3176, 0.0902
CMYK	0.17, 0.25, 0.00, 0.09
HSL	260°, 56%, 80%
HSV	260°, 25%, 91%
XYZ	51.6939, 47.4358, 82.7754
YIQ	186.2930, -7.2940, 22.0660

Conversions

Conversions Part 2

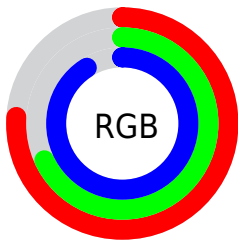
Format	Color
R _Y B	193, 174, 232
Decimal	12693224
CIE Lab	74.47, 18.19, -26.56
CIE LCh	74, 32.187, 304.408
Yxy	47.4358, 0.2842, 0.2608
Android (android.graphics.Color)	4290883304 (0xFFC1AEE8)
YUV	186.2930, 22.5336, 5.8820
Hunter-Lab	68.8737, 13.4463, -23.0458

Details

The XYZ color **51.6939, 47.4358, 82.7754** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.9387, 74.9165, 51.1370**, and the grayscale version is **46.7182, 49.1512, 53.5256**.

A 20% lighter version of the original color is **85.7712, 84.1376, 106.3273**, and **25.4435, 22.5426, 44.0844** is the 20% darker color. If you saturate the color by 10%, you get **43.8239, 37.2909, 81.2328**, and if you desaturate by 10%, it is **60.7605, 59.3490, 84.5978**.

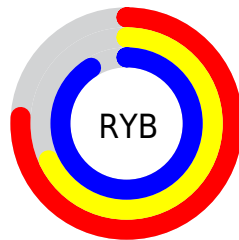
Distribution



Red (76%)

Green (68%)

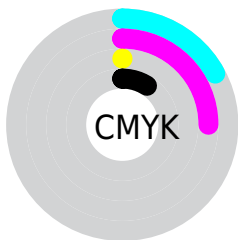
Blue (91%)



Red (76%)

Yellow (68%)

Blue (91%)

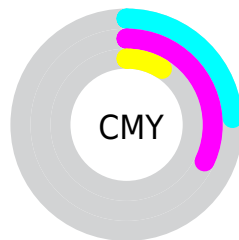


Cyan (17%)

Magenta (25%)

Yellow (0%)

Black (9%)



Cyan (24%)

Magenta (32%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6939, 47.4358, 82.7754 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 51.6939, 47.4358, 82.7754 by changing the saturation by 10% instead.

■ 51.6939, 47.4358,
82.7754

■ 51.6939, 47.4358,
82.7754

383.5971,
376.5514, 524.1891

■ 36.9844, 33.3803,
61.4654

■ 91.8566, 86.3638,
139.1073

■ 25.3691, 22.4179,
44.1678

118.0404,
112.0050, 174.9662

■ 16.4824, 14.1643,
30.4643

148.7799,
142.2770, 216.5118

■ 9.9592, 8.2350,
19.9362

184.4401,
177.5641, 264.1626

■ 5.4340, 4.2457,
12.1651

225.3867,
218.2507, 318.3372

■ 2.5414, 1.8119,
6.7323

271.9848,

■ 0.9162, 0.4946,

264.7212, 379.4541

3.2194

324.5998,
317.3599, 447.9319

■ 0.0000, 0.0000,
1.2077

■ 0.0000, 0.0000,
0.0000

■ 51.6939, 47.4358,
82.7754

■ 51.6939, 47.4358,
82.7754

■ 43.8239, 37.2909,
81.2328

■ 60.7605, 59.3490,
84.5978

■ 37.0933, 28.8221,
79.9529

■ 71.0686, 73.1050,
86.7097

■ 31.4466, 21.9378,
78.9217

■ 82.6660, 88.7808,
89.1241

■ 26.8216, 16.5349,
78.1226

■ 91.5656, 98.6063,
90.5516

■ 23.1492, 12.4976,
77.5369

■ 20.3503, 9.6920,
77.1429

■ 18.3306, 7.9553,
76.9141

■ 17.5459, 7.3626,
76.8411

Harmonies

Analogous

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



45.9498, 47.4358, 90.5379



51.6939, 47.4358, 82.7754



55.9236, 47.4358, 66.7290

Triad

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



51.6939, 47.4358, 82.7754



50.0830, 47.4358, 27.8463



34.8458, 47.4358, 54.1460

Complementary

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



51.6939, 47.4358, 82.7754



63.9387, 74.9165, 51.1370

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.



35.7482, 47.4358, 39.0324



51.6939, 47.4358, 82.7754



44.2337, 47.4358, 25.8791

Square

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



51.6939, 47.4358, 82.7754



54.9389, 47.4358, 35.6066



39.0672, 47.4358, 29.5059



36.4883, 47.4358, 71.9061

Rectangle

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



51.6939, 47.4358, 82.7754



57.1354, 47.4358, 54.8285



39.0672, 47.4358, 29.5059



34.8628, 47.4358, 48.5959

Sweetspot

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



51.6954, 47.4378, 82.7765



85.3388, 86.9295, 106.8890



55.9765, 62.7342, 85.5033



18.0947, 18.3771, 22.8434



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.



51.6954, 47.4378, 82.7765



58.8513, 52.0353, 101.5498



59.6336, 51.5300, 83.1480



14.0253, 14.1153, 18.1296



9.8587, 4.1482, 42.6642



0.8235, 0.3555, 3.1572

Inverse Universe

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



60.4265, 52.2339, 69.8500



71.5347, 59.0100, 82.4390



56.4174, 71.0392, 50.7850



14.7838, 14.5307, 17.0619



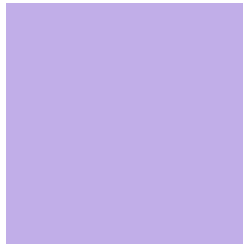
21.8669, 10.8810, 18.7260



1.6582, 0.8210, 1.6068

Previews

White Background



This preview shows how the XYZ color 51.6939, 47.4358, 82.7754 looks on a white background.

Color Contrast Check

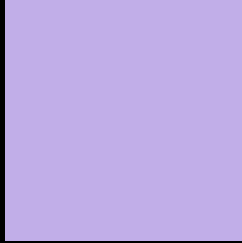
Large Text (above 18pt) WCAG AA × Fail

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 51.6939, 47.4358, 82.7754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

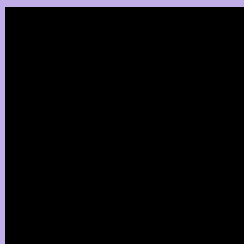
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.6939, 47.4358, 82.7754

Background



This preview shows how black text looks on a background with the XYZ color 51.6939, 47.4358, 82.7754.



This preview shows how white text looks on a background with the XYZ color 51.6939, 47.4358,

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

51.6939, 47.4358, 82.7754

Protanopia

47.9584, 47.4870, 86.7590

Deuteranopia

48.6496, 47.6421, 82.2331



Tritanopia

46.8677, 47.5527, 58.3381

Trichromacy



Original Color

51.6939, 47.4358, 82.7754

Protanomaly

49.0473, 47.1861, 85.1200

Deuteranomaly

49.6356, 47.5554, 82.1643

Tritanomaly

48.2918, 47.2137, 66.2424

Monochromacy



Original Color

51.6939, 47.4358, 82.7754

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

48.4937, 48.5865, 63.3222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6939, 47.4358, 82.7754 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(193, 174, 232)` looks like.

```
.text, #text, p{  
    color:rgb(193, 174, 232)  
}
```

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(193, 174, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 174, 232) }
```

Border

The CSS property to change the border of an element to XYZ 51.6939, 47.4358, 82.7754 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(193, 174, 232) }
```


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

```
.border{ border-color:rgb(193, 174, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 174, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 174, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 174, 232);  
box-shadow:4px 4px 4px 4px rgb(193, 174,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6939, 47.4358, 82.7754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 174, 232) }
```

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

```
.background{ background-color: rgb(193,  
174, 232) }
```

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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