

Converting Colors

XYZ(47.6684, 33.0327, 86.9874)

Have a look what the booklet for
XYZ(47.6684, 33.0327, 86.9874)
contains.

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Color

**XYZ(47.7386, 33.1073,
87.0933)**

Conversions

Conversions Part 1

Format	Color
Hex	CC7AF1
RGB	204, 122, 241
RGB Percent	80%, 48%, 95%
CMY	0.2000, 0.5216, 0.0549
CMYK	0.15, 0.49, 0.00, 0.05
HSL	281°, 81%, 71%
HSV	281°, 49%, 95%
XYZ	47.7386, 33.1073, 87.0933
YIQ	160.0840, 10.6730, 54.3930

Conversions

Conversions Part 2

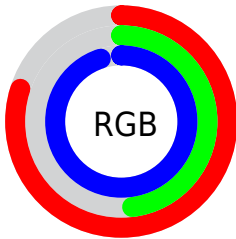
Format	Color
RYB	204, 122, 241
Decimal	13400817
CIELab	64.25, 51.55, -47.30
CIElCh	64, 69.962, 317.466
Yxy	33.1073, 0.2843, 0.1971
Android (android.graphics.Color)	4291590897 (0xFFCC7AF1)
YUV	160.0840, 39.8916, 38.5143
Hunter-Lab	57.5389, 47.4038, -49.4665

Details

The XYZ color **47.7386, 33.1073, 87.0933** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **49.2670, 71.6873, 29.6540**, and the grayscale version is **33.2719, 35.0047, 38.1201**.

A 20% lighter version of the original color is **75.0121, 59.9243, 102.2207**, and **22.8125, 13.9200, 46.8319** is the 20% darker color. If you saturate the color by 10%, you get **43.1337, 26.8725, 86.1331**, and if you desaturate by 10%, it is **53.1784, 40.8630, 88.3041**.

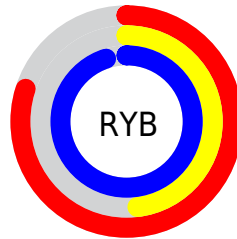
Distribution



Red (80%)

Green (48%)

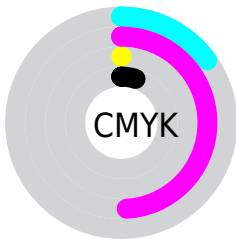
Blue (95%)



Red (80%)

Yellow (48%)

Blue (95%)

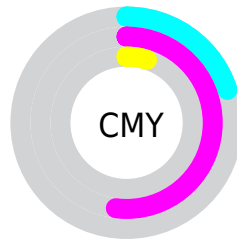


Cyan (15%)

Magenta (49%)

Yellow (0%)

Black (5%)



Cyan (20%)


Magenta (52%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7386, 33.1073, 87.0933 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 47.7386, 33.1073, 87.0933 by changing the saturation by 10% instead.


 47.7386, 33.1073,
87.0933


 47.7386, 33.1073,
87.0933

368.3549,
316.1330, 538.8536


 33.8303, 22.2087,
65.0124


 86.0271, 64.5430,
145.1942

 22.9255, 14.0103,
47.0197

 111.1381, 85.8489,
182.0512

 14.6589, 8.1278,
32.6968


 140.7140,
111.3926, 224.6707

 8.6651, 4.1769,
21.6250

175.1202,
141.5586, 273.4711

 4.5788, 1.7730,
13.3860

214.7220,
176.7312, 328.8711

 2.0345, 0.4702,
7.5610

259.8848,

 0.6532, 0.0000,

217.2949, 391.2891

3.7316

310.9740,
263.6340, 461.1438

■ 0.0000, 0.0000,
1.4793

■ 0.0000, 0.0000,
0.2024

■ 47.7386, 33.1073,
87.0933

■ 47.7386, 33.1073,
87.0933

■ 43.1337, 26.8725,
86.1331

■ 53.1784, 40.8630,
88.3041

■ 39.3033, 22.0432,
85.4028

■ 59.5003, 50.2352,
89.7800

■ 36.1842, 18.4940,
84.8822

■ 66.7522, 61.3167,
91.5367

■ 33.7002, 16.0744,
84.5461

■ 74.9771, 74.1918,
93.5883

■ 31.7323, 14.5487,
84.3553

■ 84.2153, 88.9390,
95.9479

■ 31.6177, 14.4654,
84.3453

■ 90.6904, 98.0035,
97.3563

■ 92.8773, 99.1309,
97.4586

Harmonies

Analogous

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



37.5533, 33.1073, 117.4168



47.7386, 33.1073, 87.0933



54.0288, 33.1073, 49.2659

Triad

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



47.7386, 33.1073, 87.0933



35.7959, 33.1073, 4.6812



16.5418, 33.1073, 55.0778

Complementary

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



47.7386, 33.1073, 87.0933



49.2670, 71.6873, 29.6540

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.



16.2664, 33.1073, 25.4353



47.7386, 33.1073, 87.0933



26.0775, 33.1073, 5.0005

Square

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



47.7386, 33.1073, 87.0933



46.2211, 33.1073, 8.9024



19.3904, 33.1073, 10.2773



20.2439, 33.1073, 93.2224

Rectangle

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



47.7386, 33.1073, 87.0933



54.4503, 33.1073, 29.3995



19.3904, 33.1073, 10.2773



16.0783, 33.1073, 43.6306

Sweetspot

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



47.7398, 33.1087, 87.0940



79.7977, 75.7907, 105.0310



36.4203, 35.5217, 88.1564



16.6657, 15.5763, 22.3781



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.



47.7398, 33.1087, 87.0940



49.1309, 30.6739, 97.9389



56.0464, 37.7451, 71.4769



15.9483, 15.7706, 19.9251



17.2903, 7.9189, 45.7451



1.5400, 0.7112, 3.8103

Inverse Universe

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



49.4940, 35.1242, 36.9728



51.8584, 33.5167, 33.1539



44.5024, 69.0569, 37.2973



15.9752, 15.8398, 17.4256



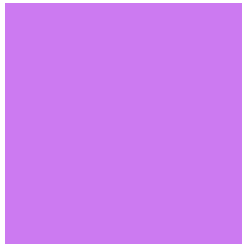
20.4121, 10.4373, 4.8207



1.7412, 0.8855, 0.6278

Previews

White Background



This preview shows how the XYZ color 47.7386, 33.1073, 87.0933 looks on a white background.

Color Contrast Check

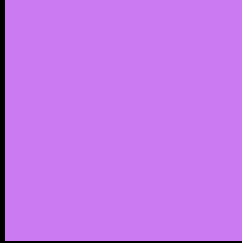
Large Text (above 18pt) WCAG AA × Fail

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 47.7386, 33.1073, 87.0933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

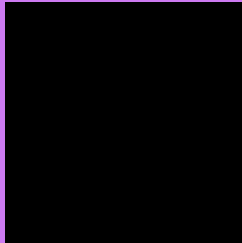
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7386, 33.1073, 87.0933

Background



This preview shows how black text looks on a background with the XYZ color 47.7386, 33.1073, 87.0933.

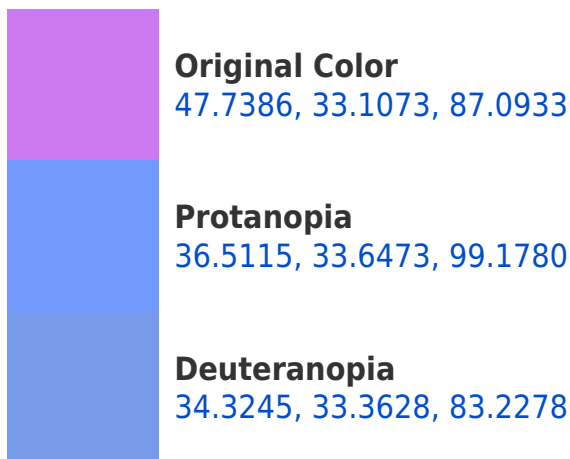


This preview shows how white text looks on a background with the XYZ color 47.7386, 33.1073,

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





Tritanopia

37.1411, 33.0544, 34.9944

Trichromacy



Original Color

47.7386, 33.1073, 87.0933



Protanomaly

38.9609, 32.4512, 94.6527



Deuteranomaly

37.6862, 32.2434, 84.3581



Tritanomaly

40.2918, 32.6089, 50.6249

Monochromacy



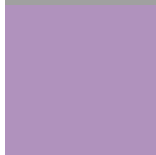
Original Color

47.7386, 33.1073, 87.0933



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

37.3687, 33.4620, 52.6334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7386, 33.1073, 87.0933 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(204, 122, 241)` looks like.

```
.text, #text, p{  
    color:rgb(204, 122, 241)  
}
```

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(204, 122, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 122, 241) }
```

Border

The CSS property to change the border of an element to XYZ 47.7386, 33.1073, 87.0933 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(204, 122, 241) }
```


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

```
.border{ border-color:rgb(204, 122, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 122, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 122, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 122, 241);  
box-shadow:4px 4px 4px 4px rgb(204, 122,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7386, 33.1073, 87.0933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 122, 241) }
```

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

```
.background{ background-color: rgb(204,  
122, 241) }
```

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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