

Converting Colors

XYZ(47.8074, 31.5563, 72.5734)

Have a look what the booklet for
XYZ(47.8074, 31.5563, 72.5734)
contains.

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Color

**XYZ(47.7827, 31.5482,
72.6782)**

Conversions

Conversions Part 1

Format	Color
Hex	DA6FDE
RGB	218, 111, 222
RGB Percent	85%, 44%, 87%
CMY	0.1451, 0.5647, 0.1294
CMYK	0.02, 0.50, 0.00, 0.13
HSL	298°, 63%, 65%
HSV	298°, 50%, 87%
XYZ	47.7827, 31.5482, 72.6782
YIQ	155.6470, 28.1410, 57.2050

Conversions

Conversions Part 2

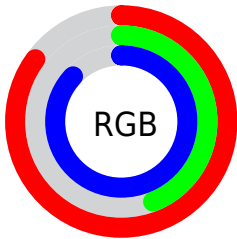
Format	Color
R _Y B	218, 111, 222
Decimal	14315486
CIE Lab	62.97, 57.19, -38.64
CIE LCh	63, 69.020, 325.959
Yxy	31.5482, 0.3143, 0.2075
Android (android.graphics.Color)	4292505566 (0xFFDA6FDE)
YUV	155.6470, 32.7120, 54.6836
Hunter-Lab	56.1678, 53.5588, -37.4007

Details

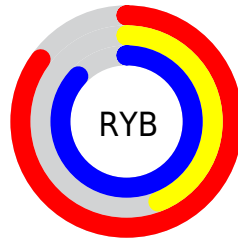
The XYZ color **47.7827, 31.5482, 72.6782** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **36.0617, 57.0358, 24.1487**, and the grayscale version is **31.2942, 32.9239, 35.8541**.

A 20% lighter version of the original color is **72.9262, 55.7524, 101.5254**, and **22.9950, 13.1586, 37.4043** is the 20% darker color. If you saturate the color by 10%, you get **45.4164, 27.1689, 71.9581**, and if you desaturate by 10%, it is **50.7542, 37.1345, 73.6003**.

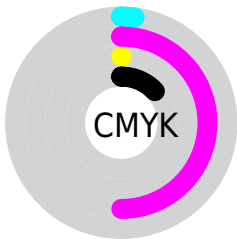
Distribution



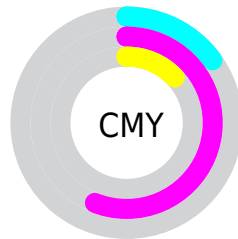
- Red (85%)
- Green (44%)
- Blue (87%)



- Red (85%)
- Yellow (44%)
- Blue (87%)



- Cyan (2%)
- Magenta (50%)
- Yellow (0%)
- Black (13%)





- Cyan (15%)
- Magenta (56%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7827, 31.5482, 72.6782 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 47.7827, 31.5482, 72.6782 by changing the saturation by 10% instead.

 47.7827, 31.5482,
72.6782


 47.7827, 31.5482,
72.6782

368.5271,
309.0560, 488.9396


 33.8654, 21.0166,
53.2227

 86.0924, 62.1021,
124.7369

 22.9526, 13.1362,
37.5916


 111.2155, 82.8933,
158.1772

 14.6790, 7.5224,
25.3665


 140.8046,
107.8731, 197.1162

 8.6793, 3.7909,
16.1288

175.2250,
137.4260, 241.9723

 4.5880, 1.5573,
9.4600

214.8421,
171.9363, 293.1642

 2.0399, 0.3285,
4.9415

260.0213,

 0.6562, 0.0000,

211.7885, 351.1103

2.1549

311.1278,
257.3669, 416.2293

■ 0.0000, 0.0000,
0.6481

■ 0.0000, 0.0000,
0.0000

■ 47.7827, 31.5482,
72.6782

■ 47.7827, 31.5482,
72.6782

■ 45.4164, 27.1689,
71.9581

■ 50.7542, 37.1345,
73.6003

■ 43.6065, 23.9017,
71.4228


■ 54.3684, 44.0052,
74.7360


■ 42.3022, 21.6440,
71.0558


■ 58.6636, 52.2362,
76.0983


■ 41.4420, 20.2728,
70.8365

■ 63.6741, 61.8961,
77.6988


 40.9172, 19.5706,
70.7286


 69.4320, 73.0490,
79.5481

 40.9171, 19.5705,
70.7286

 75.9674, 85.7553,
81.6562

 79.5617, 92.5775,
82.7836

 79.8096, 92.7053,
82.7952

 80.0587, 92.8337,
82.8068

Harmonies

Analogous

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



38.6998, 31.5482, 105.9820



47.7827, 31.5482, 72.6782



52.1098, 31.5482, 38.1654

Triad

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



47.7827, 31.5482, 72.6782



31.2896, 31.5482, 4.1492



16.3934, 31.5482, 62.6672

Complementary

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



47.7827, 31.5482, 72.6782



36.0617, 57.0358, 24.1487

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.



15.2223, 31.5482, 30.7990



47.7827, 31.5482, 72.6782



22.6888, 31.5482, 5.5364

Square

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



47.7827, 31.5482, 72.6782



41.3996, 31.5482, 6.7000



17.2680, 31.5482, 12.6205



20.8897, 31.5482, 98.3693

Rectangle

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



47.7827, 31.5482, 72.6782



51.1650, 31.5482, 21.8962



17.2680, 31.5482, 12.6205



15.6447, 31.5482, 50.8090

Sweetspot

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



47.7838, 31.5496, 72.6789



83.5333, 77.7165, 105.2058



26.0506, 21.2729, 71.8407



17.5731, 16.0441, 22.4206



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.



47.7838, 31.5496, 72.6789



62.0424, 36.9522, 98.4702



43.2608, 29.8802, 42.5436



14.2437, 13.9092, 17.3217



24.3251, 11.6353, 42.0121



1.7015, 0.8145, 2.9128

Inverse Universe

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



38.9041, 28.1375, 19.6015



48.6723, 31.8351, 17.6311



39.1065, 58.1943, 42.8680



13.7271, 13.7085, 14.3334



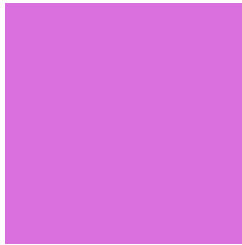
17.9279, 9.2382, 1.0203



1.2498, 0.6432, 0.1084

Previews

White Background



This preview shows how the XYZ color 47.7827, 31.5482, 72.6782 looks on a white background.

Color Contrast Check

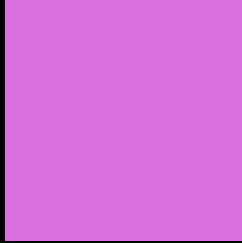
Large Text (above 18pt) WCAG AA × Fail

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 47.7827, 31.5482, 72.6782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

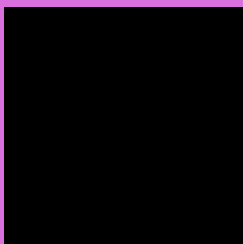
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7827, 31.5482, 72.6782

Background



This preview shows how black text looks on a background with the XYZ color 47.7827, 31.5482, 72.6782.

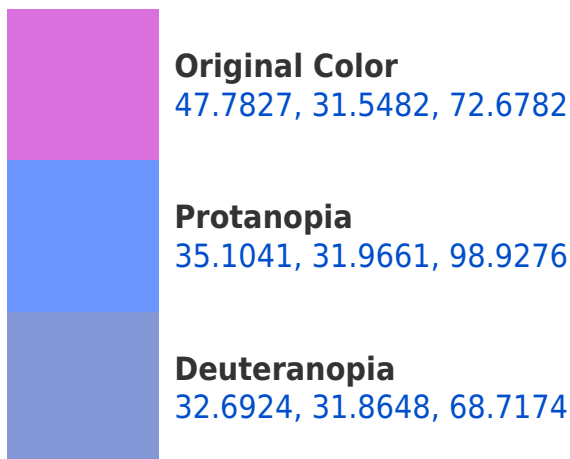


This preview shows how white text looks on a background with the XYZ color 47.7827, 31.5482,

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

38.9364, 31.5656, 29.2399

Trichromacy



Original Color

47.7827, 31.5482, 72.6782



Protanomaly

37.2361, 30.1886, 88.6584



Deuteranomaly

36.5633, 30.4568, 70.2813



Tritanomaly

41.6147, 31.3146, 41.8812

Monochromacy



Original Color

47.7827, 31.5482, 72.6782



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

36.2067, 31.6352, 47.3779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7827, 31.5482, 72.6782 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(218, 111, 222)` looks like.

```
.text, #text, p{  
    color:rgb(218, 111, 222)  
}
```

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(218, 111, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 111, 222) }
```

Border

The CSS property to change the border of an element to XYZ 47.7827, 31.5482, 72.6782 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(218, 111, 222) }
```


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

```
.border{ border-color:rgb(218, 111, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 111, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 111, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 111, 222);  
box-shadow:4px 4px 4px 4px rgb(218, 111,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7827, 31.5482, 72.6782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 111, 222) }
```

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

```
.background{ background-color: rgb(218,  
111, 222) }
```

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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