

Converting Colors

XYZ(48.4312, 27.5359,
104.2222)

Have a look what the booklet for
XYZ(48.4312, 27.5359, 104.2222)
contains.

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Color

**XYZ(47.0306, 26.9824,
97.3371)**

Conversions

Conversions Part 1

Format	Color
Hex	CF55FF
RGB	207, 85, 255
RGB Percent	81%, 33%, 100%
CMY	0.1882, 0.6666, 0.0000
CMYK	0.19, 0.67, 0.00, 0.00
HSL	283°, 100%, 67%
HSV	283°, 67%, 100%
XYZ	47.0306, 26.9824, 97.3371
YIQ	140.8580, 18.1420, 78.7340

Conversions

Conversions Part 2

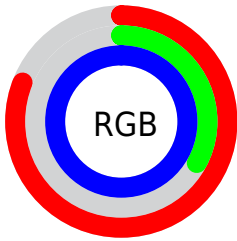
Format	Color
R _Y B	207, 85, 255
Decimal	13587967
CIE _{Lab}	58.96, 72.38, -63.43
CIE _{LCh}	59, 96.237, 318.771
Yxy	26.9824, 0.2745, 0.1575
Android (android.graphics.Color)	4291778047 (0xFFCF55FF)
YUV	140.8580, 56.2720, 58.0065
Hunter-Lab	51.9446, 70.7108, -74.7402

Details

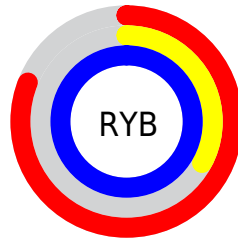
The XYZ color **47.0306, 26.9824, 97.3371** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **47.0730, 77.1626, 21.0081**, and the grayscale version is **25.0449, 26.3492, 28.6943**.

A 20% lighter version of the original color is **68.9630, 47.8260, 100.2043**, and **22.4347, 10.6150, 53.6898** is the 20% darker color. If you saturate the color by 10%, you get **43.4068, 22.6522, 96.6923**, and if you desaturate by 10%, it is **51.4711, 32.8076, 98.2274**.

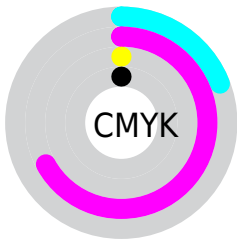
Distribution



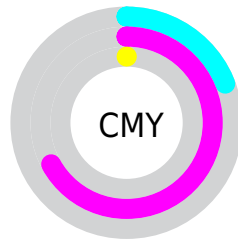
- Red (81%)
- Green (33%)
- Blue (100%)



- Red (81%)
- Yellow (33%)
- Blue (100%)



- Cyan (19%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0306, 26.9824, 97.3371 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 47.0306, 26.9824, 97.3371 by changing the saturation by 10% instead.


 47.0306, 26.9824,
97.3371


 47.0306, 26.9824,
97.3371

365.5835,
287.5719, 572.7946


 33.2679, 17.5600,
73.4741

 84.9778, 54.8556,
159.5127


 22.4920, 10.6346,
53.8695


 109.8929, 74.0752,
198.6624

 14.3375, 5.8217,
38.1049


 139.2563, 97.3294,
243.7447

 8.4390, 2.7370,
25.7616

 173.4332,
125.0025, 295.1782

 4.4313, 0.9960,
16.4212

212.7890,
157.4789, 353.3813

 1.9489, 0.0000,
9.6651

257.6891,

 0.6050, 0.0000,

195.1430, 418.7728

5.0748

308.4988,
238.3792, 491.7710

■ 0.0000, 0.0000,
2.2317

■ 0.0000, 0.0000,
0.6926

■ 47.0306, 26.9824,
97.3371

■ 47.0306, 26.9824,
97.3371

■ 43.4068, 22.6522,
96.6923

■ 51.4711, 32.8076,
98.2274

■ 40.5134, 19.6496,
96.2652

■ 56.7962, 40.2649,
99.3862

■ 38.2473, 17.7691,
96.0217

■ 63.0694, 49.4790,
100.8340

■ 37.5789, 17.2875,
95.9639

■ 70.3475, 60.5614,
102.5896

■ 78.6824, 73.6145,
104.6697

■ 88.1223, 88.7328,
107.0903

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



33.7497, 26.9824, 145.6292



47.0306, 26.9824, 97.3371



55.3308, 26.9824, 44.1024

Triad

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



47.0306, 26.9824, 97.3371



30.3723, 26.9824, 0.5073



9.4920, 26.9824, 55.9638

Complementary

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



47.0306, 26.9824, 97.3371



47.0730, 77.1626, 21.0081

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.



9.0955, 26.9824, 18.3625



47.0306, 26.9824, 97.3371



18.9558, 26.9824, 0.7364

Square

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



47.0306, 26.9824, 97.3371



43.9087, 26.9824, 2.5019



11.9833, 26.9824, 3.8794



13.3132, 26.9824, 111.5445

Rectangle

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



47.0306, 26.9824, 97.3371



55.6163, 26.9824, 20.4645



11.9833, 26.9824, 3.8794



9.0102, 26.9824, 40.5668

Sweetspot

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



47.0317, 26.9834, 97.3372



75.7822, 69.0363, 103.9389



30.2075, 25.9731, 98.0289



15.7175, 13.9884, 22.1216



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.



47.0317, 26.9834, 97.3372



42.3651, 21.5123, 96.5271



57.1657, 32.8284, 69.7683



18.2635, 18.0275, 22.7670



19.7893, 9.1122, 50.1504



2.0338, 0.9424, 4.8880

Inverse Universe

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



48.7226, 29.4512, 25.3076



45.1626, 24.7232, 16.7466



43.0094, 74.8526, 30.5405



18.2202, 18.0714, 19.7766



22.2146, 11.3751, 4.5146



2.2073, 1.1253, 0.6731

Previews

White Background



This preview shows how the XYZ color 47.0306, 26.9824, 97.3371 looks on a white background.

Color Contrast Check

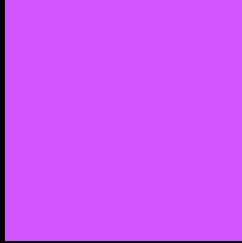
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.0306, 26.9824, 97.3371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

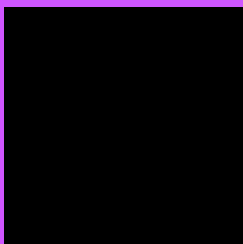
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.0306, 26.9824, 97.3371

Background



This preview shows how black text looks on a background with the XYZ color 47.0306, 26.9824, 97.3371.

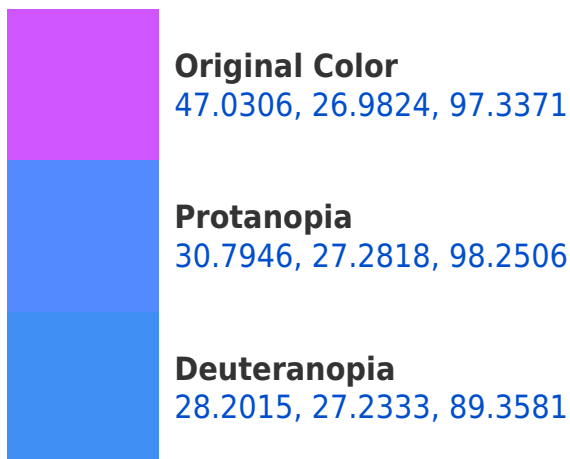


This preview shows how white text looks on a background with the XYZ color 47.0306, 26.9824,

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

32.3029, 26.6782, 25.6372

Trichromacy



Original Color

47.0306, 26.9824, 97.3371



Protanomaly

33.7001, 25.0808, 97.6726



Deuteranomaly

30.9730, 24.3412, 91.8728



Tritanomaly

36.1694, 25.8474, 44.6777

Monochromacy



Original Color

47.0306, 26.9824, 97.3371



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

30.7979, 25.0515, 47.4682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0306, 26.9824, 97.3371 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(207, 85, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 85, 255)  
}
```

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(207, 85, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 85, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.0306, 26.9824, 97.3371 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(207, 85, 255) }
```


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

```
.border{ border-color:rgb(207, 85, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 85, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 85, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 85, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 85,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0306, 26.9824, 97.3371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 85, 255) }
```

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

```
.background{ background-color: rgb(207, 85,  
255) }
```

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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