

Converting Colors

XYZ(47.3335, 30.1852, 97.9393)

Have a look what the booklet for
XYZ(47.3335, 30.1852, 97.9393)
contains.

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Color

**XYZ(47.3951, 30.1529,
97.9298)**

Conversions

Conversions Part 1

Format	Color
Hex	C96BFF
RGB	201, 107, 255
RGB Percent	79%, 42%, 100%
CMY	0.2118, 0.5804, 0.0000
CMYK	0.21, 0.58, 0.00, 0.00
HSL	278°, 100%, 71%
HSV	278°, 58%, 100%
XYZ	47.3951, 30.1529, 97.9298
YIQ	151.9780, 8.5160, 65.9560

Conversions

Conversions Part 2

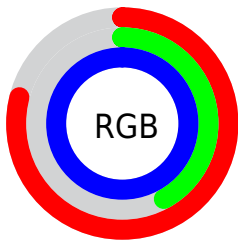
Format	Color
R _Y B	201, 107, 255
Decimal	13200383
CIE Lab	61.79, 61.21, -58.94
CIE LCh	62, 84.974, 316.081
Yxy	30.1529, 0.2701, 0.1718
Android (android.graphics.Color)	4291390463 (0xFFC96BFF)
YUV	151.9780, 50.7898, 42.9923
Hunter-Lab	54.9117, 57.9707, -67.3000

Details

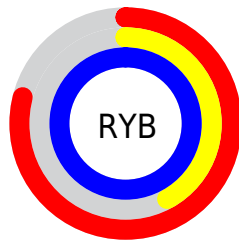
The XYZ color **47.3951, 30.1529, 97.9298** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **53.1121, 80.1588, 26.5838**, and the grayscale version is **29.6221, 31.1647, 33.9384**.

A 20% lighter version of the original color is **72.2103, 54.3207, 101.2868**, and **22.6337, 12.3268, 54.0097** is the 20% darker color. If you saturate the color by 10%, you get **42.6921, 24.3472, 97.0571**, and if you desaturate by 10%, it is **53.0355, 37.6062, 99.0712**.

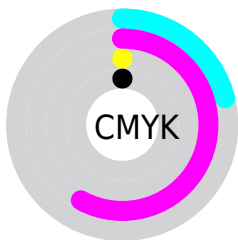
Distribution



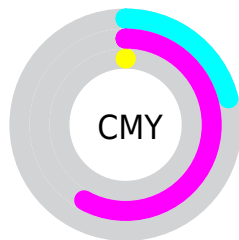
- Red (79%)
- Green (42%)
- Blue (100%)



- Red (79%)
- Yellow (42%)
- Blue (100%)



- Cyan (21%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3951, 30.1529, 97.9298 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 47.3951, 30.1529, 97.9298 by changing the saturation by 10% instead.


 47.3951, 30.1529,
97.9298

 47.3951, 30.1529,
97.9298

367.0120,
302.6165, 574.7247

 33.5574, 19.9547,
73.9655


 85.5182, 59.9039,
160.3363

 22.7150, 12.3621,
54.2692

 110.5344, 80.2255,
199.6156

 14.5028, 6.9908,
38.4223


 140.0073,
104.6902, 244.8371

 8.5552, 3.4563,
26.0062

 174.3024,
133.6827, 296.4191

 4.5070, 1.3744,
16.6025

213.7851,
167.5871, 354.7804

 1.9928, 0.1977,
9.7925

258.8207,

 0.6299, 0.0000,

206.7880, 420.3394

5.1578

309.7746,
251.6696, 493.5146

■ 0.0000, 0.0000,
2.2798

■ 0.0000, 0.0000,
0.7199

■ 47.3951, 30.1529,
97.9298

■ 47.3951, 30.1529,
97.9298

■ 42.6921, 24.3472,
97.0571

■ 53.0355, 37.6062,
99.0712

■ 38.8493, 20.0420,
96.4286

■ 59.6749, 46.8299,
100.5016

■ 35.7810, 17.0689,
96.0165

■ 67.3733, 57.9390,
102.2401

■ 33.3704, 15.1986,
95.7825

■ 76.1845, 71.0376,
104.3040

■ 32.9426, 14.8974,
95.7470

■ 86.1585, 86.2220,
106.7092

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.



35.1288, 30.1529, 136.7098



47.3951, 30.1529, 97.9298



55.4394, 30.1529, 50.2474

Triad

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



47.3951, 30.1529, 97.9298



34.2272, 30.1529, 1.8737



12.4067, 30.1529, 53.3285

Complementary

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



47.3951, 30.1529, 97.9298



53.1121, 80.1588, 26.5838

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.



12.2853, 30.1529, 19.9913



47.3951, 30.1529, 97.9298



23.0375, 30.1529, 1.9655

Square

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



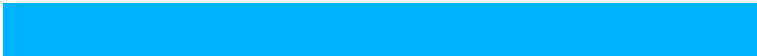
47.3951, 30.1529, 97.9298



46.5868, 30.1529, 5.2741



15.6545, 30.1529, 5.7815



16.0462, 30.1529, 101.4201

Rectangle

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



47.3951, 30.1529, 97.9298



56.2463, 30.1529, 26.6544



15.6545, 30.1529, 5.7815



11.9936, 30.1529, 39.8957

Sweetspot

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



47.3962, 30.1541, 97.9300



77.1647, 72.5149, 104.5375



36.9058, 35.9299, 99.5978



16.1127, 14.9134, 22.2793



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.



47.3962, 30.1541, 97.9300



41.8726, 23.3889, 96.9153



61.5321, 37.7898, 82.8508



18.1124, 17.9497, 22.7600



17.3829, 7.8717, 50.0378



1.8126, 0.8283, 4.8776

Inverse Universe

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



52.9312, 34.3494, 37.5589



48.7135, 28.4398, 28.3664



45.6374, 76.1715, 32.2860



18.2833, 18.0966, 20.1089



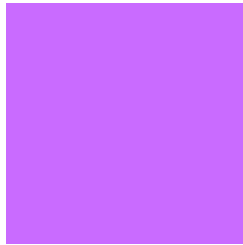
22.6473, 11.5482, 6.7931



2.2554, 1.1445, 0.9264

Previews

White Background



This preview shows how the XYZ color 47.3951, 30.1529, 97.9298 looks on a white background.

Color Contrast Check

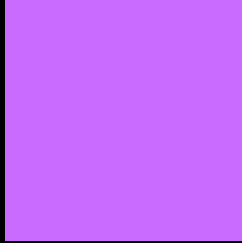
Large Text (above 18pt) WCAG AA × Fail

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 47.3951, 30.1529, 97.9298 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 47.3951, 30.1529, 97.9298

Background



This preview shows how black text looks on a background with the XYZ color 47.3951, 30.1529, 97.9298.

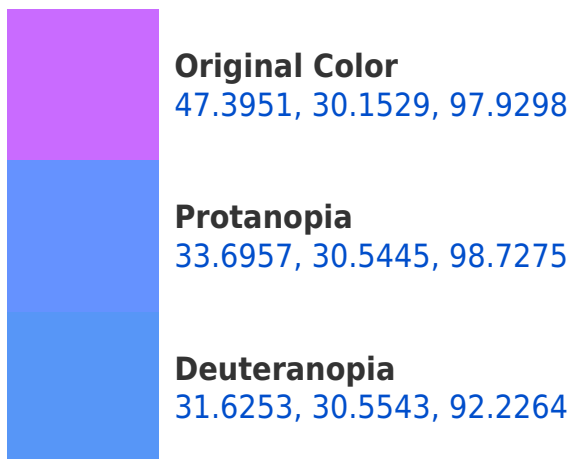


This preview shows how white text looks on a background with the XYZ color 47.3951, 30.1529,

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

33.8378, 29.9053, 31.5926

Trichromacy



Original Color

47.3951, 30.1529, 97.9298



Protanomaly

36.6178, 29.0409, 98.2832



Deuteranomaly

34.6825, 28.5415, 94.1236



Tritanomaly

37.4317, 29.1596, 50.1099

Monochromacy



Original Color

47.3951, 30.1529, 97.9298



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

34.5670, 29.8285, 52.0797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3951, 30.1529, 97.9298 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(201, 107, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 107, 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(201, 107, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 107, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.3951, 30.1529, 97.9298 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(201, 107, 255) }
```


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

```
.border{ border-color:rgb(201, 107, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 107, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 107, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 107, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 107,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3951, 30.1529, 97.9298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 107, 255) }
```

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

```
.background{ background-color: rgb(201,  
107, 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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