

Converting Colors

XYZ(47.5696, 26.0254, 97.1240)

Have a look what the booklet for
XYZ(47.5696, 26.0254, 97.1240)
contains.

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Color

**XYZ(47.6502, 26.1146,
97.1369)**

Conversions

Conversions Part 1

Format	Color
Hex	D44AFF
RGB	212, 74, 255
RGB Percent	83%, 29%, 100%
CMY	0.1686, 0.7098, 0.0000
CMYK	0.17, 0.71, 0.00, 0.00
HSL	286°, 100%, 65%
HSV	286°, 71%, 100%
XYZ	47.6502, 26.1146, 97.1369
YIQ	135.8960, 24.1470, 85.5470

Conversions

Conversions Part 2

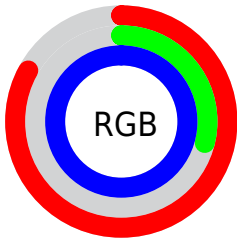
Format	Color
R_{YB}	212, 74, 255
Decimal	13912831
CIE _{Lab}	58.15, 77.61, -64.70
CIE _{LCh}	58, 101.038, 320.185
Yxy	26.1146, 0.2788, 0.1528
Android (android.graphics.Color)	4292102911 (0xFFD44AFF)
YUV	135.8960, 58.7183, 66.7432
Hunter-Lab	51.1024, 77.0121, -76.9283

Details

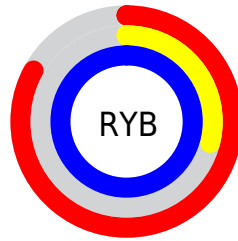
The XYZ color **47.6502, 26.1146, 97.1369** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **44.3325, 75.7965, 18.7730**, and the grayscale version is **23.1453, 24.3506, 26.5178**.

A 20% lighter version of the original color is **67.8151, 45.5302, 99.8217**, and **23.2149, 10.8035, 53.6850** is the 20% darker color. If you saturate the color by 10%, you get **44.5660, 22.4894, 96.5997**, and if you desaturate by 10%, it is **51.4913, 31.1544, 97.9072**.

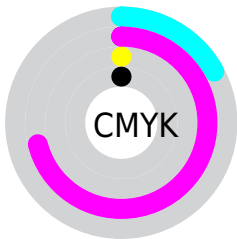
Distribution



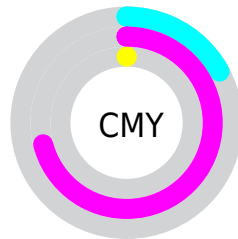
- Red (83%)
- Green (29%)
- Blue (100%)



- Red (83%)
- Yellow (29%)
- Blue (100%)



- Cyan (17%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)




- Cyan (17%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6502, 26.1146, 97.1369 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 47.6502, 26.1146, 97.1369 by changing the saturation by 10% instead.


 47.6502, 26.1146,
97.1369


 47.6502, 26.1146,
97.1369


368.0096,
283.3442, 572.1418

 33.7601, 16.9094,
73.3081


 85.8962, 53.4598,
159.2344


 22.8713, 10.1699,
53.7346


 110.9828, 72.3685,
198.3402


 14.6187, 5.5118,
37.9978


 140.5322, 95.2806,
243.3754

 8.6368, 2.5505,
25.6791

 174.9099,
122.5803, 294.7586

 4.5602, 0.9019,
16.3601

 214.4811,
154.6522, 352.9083

 2.0237, 0.0000,
9.6223

259.6112,

 0.6472, 0.0000,

191.8805, 418.2431

5.0469

310.6656,
234.6497, 491.1814

■ 0.0000, 0.0000,
2.2156

■ 0.0000, 0.0000,
0.6833

■ 47.6502, 26.1146,
97.1369

■ 47.6502, 26.1146,
97.1369

■ 44.5660, 22.4894,
96.5997

■ 51.4913, 31.1544,
97.9072


■ 42.1458, 20.0968,
96.2655

■ 56.1613, 37.7546,
98.9351


■ 40.4067, 18.7453,
96.0963

■ 61.7267, 46.0462,
100.2422

■ 68.2460, 56.1454,
101.8479

 75.7726, 68.1578,
103.7699

 84.3557, 82.1811,
106.0242

 94.0413, 98.3059,
108.6262

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.



33.8626, 26.1146, 150.2638



47.6502, 26.1146, 97.1369



55.9945, 26.1146, 41.5450

Triad

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



47.6502, 26.1146, 97.1369



29.0542, 26.1146, 0.0484



8.6336, 26.1146, 58.6195

Complementary

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



47.6502, 26.1146, 97.1369



44.3325, 75.7965, 18.7730

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.



8.1003, 26.1146, 18.4205



47.6502, 26.1146, 97.1369



17.5520, 26.1146, 0.3788

Square

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



47.6502, 26.1146, 97.1369



43.1521, 26.1146, 1.7247



10.7743, 26.1146, 3.4263



12.5929, 26.1146, 118.0231

Rectangle

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



47.6502, 26.1146, 97.1369



55.9490, 26.1146, 18.1009



10.7743, 26.1146, 3.4263



8.1128, 26.1146, 42.1003

Sweetspot

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



47.6513, 26.1156, 97.1371



75.7554, 68.1300, 103.7654



27.5014, 21.9301, 97.3912



15.7479, 13.8308, 22.0895



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.



47.6513, 26.1156, 97.1371



43.5186, 21.3904, 96.4428



55.2910, 30.7989, 63.8410



18.3461, 18.0702, 22.7709



21.2530, 9.8668, 50.2189



2.1660, 1.0105, 4.8942

Inverse Universe

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



46.9001, 27.4426, 19.6552



43.7756, 23.3961, 11.8238



41.9294, 74.3140, 29.6668



18.1862, 18.0578, 19.5977



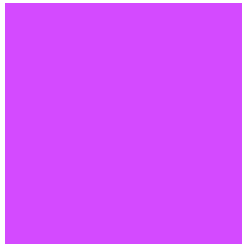
22.0308, 11.3016, 3.5469



2.1854, 1.1165, 0.5577

Previews

White Background



This preview shows how the XYZ color 47.6502, 26.1146, 97.1369 looks on a white background.

Color Contrast Check

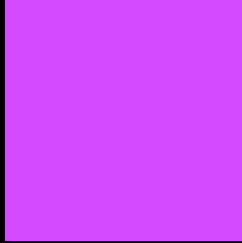
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.6502, 26.1146, 97.1369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

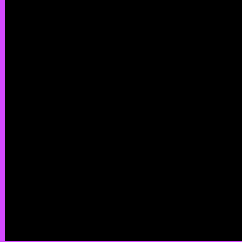
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.6502, 26.1146, 97.1369

Background



This preview shows how black text looks on a background with the XYZ color 47.6502, 26.1146, 97.1369.



This preview shows how white text looks on a background with the XYZ color 47.6502, 26.1146,

97.1369.

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

47.6502, 26.1146, 97.1369

Protanopia

29.9960, 26.4480, 98.1318

Deuteranopia

27.4815, 26.6578, 88.4911



Tritanopia

32.5573, 25.9585, 23.3732

Trichromacy



Original Color

47.6502, 26.1146, 97.1369



Protanomaly

32.7075, 23.5423, 97.4280



Deuteranomaly

29.9598, 22.9487, 90.8462



Tritanomaly

36.4787, 24.9762, 42.9427

Monochromacy



Original Color

47.6502, 26.1146, 97.1369



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

29.3517, 22.9574, 45.5321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6502, 26.1146, 97.1369 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(212, 74, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 74, 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(212, 74, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 74, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.6502, 26.1146, 97.1369 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(212, 74, 255) }
```


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

```
.border{ border-color:rgb(212, 74, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 74, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 74, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 74, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 74,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6502, 26.1146, 97.1369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 74, 255) }
```

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

```
.background{ background-color: rgb(212, 74,  
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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