

Converting Colors

XYZ(47.4459, 25.6258, 97.0533)

Have a look what the booklet for
XYZ(47.4459, 25.6258, 97.0533)
contains.

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Color

**XYZ(47.3915, 25.5974,
97.0507)**

Conversions

Conversions Part 1

Format	Color
Hex	D446FF
RGB	212, 70, 255
RGB Percent	83%, 27%, 100%
CMY	0.1686, 0.7255, 0.0000
CMYK	0.17, 0.73, 0.00, 0.00
HSL	286°, 100%, 64%
HSV	286°, 73%, 100%
XYZ	47.3915, 25.5974, 97.0507
YIQ	133.5480, 25.2470, 87.6390

Conversions

Conversions Part 2

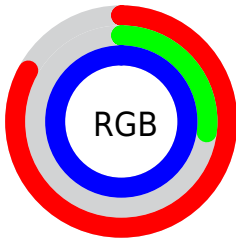
Format	Color
R_{YB}	212, 70, 255
Decimal	13911807
CIE _{Lab}	57.65, 79.01, -65.49
CIE _{LCh}	58, 102.624, 320.347
Yxy	25.5974, 0.2787, 0.1505
Android (android.graphics.Color)	4292101887 (0xFFD446FF)
YUV	133.5480, 59.8758, 68.8024
Hunter-Lab	50.5939, 78.6624, -78.3162

Details

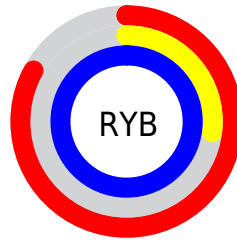
The XYZ color **47.3915, 25.5974, 97.0507** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **43.6761, 75.4732, 18.0611**, and the grayscale version is **22.2773, 23.4374, 25.5234**.

A 20% lighter version of the original color is **67.2726, 44.4453, 99.6409**, and **23.2149, 10.8035, 53.6850** is the 20% darker color. If you saturate the color by 10%, you get **44.4442, 22.1919, 96.5487**, and if you desaturate by 10%, it is **51.0802, 30.3903, 97.7814**.

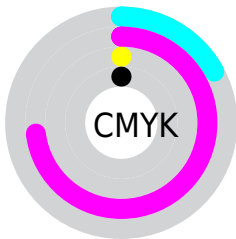
Distribution



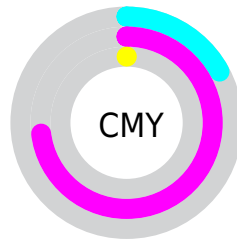
- Red (83%)
- Green (27%)
- Blue (100%)



- Red (83%)
- Yellow (27%)
- Blue (100%)



- Cyan (17%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)





- Cyan (17%)
- Magenta (73%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3915, 25.5974, 97.0507 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 47.3915, 25.5974, 97.0507 by changing the saturation by 10% instead.

 47.3915, 25.5974,
97.0507

 47.3915, 25.5974,
97.0507


366.9979,
280.8001, 571.8606

 33.5545, 16.5227,
73.2367


 85.5129, 52.6247,
159.1146


 22.7128, 9.8948,
53.6765


 110.5280, 71.3462,
198.2015


 14.5011, 5.3292,
37.9517

 139.9999, 94.0519,
243.2164

 8.5541, 2.4417,
25.6436

 174.2939,
121.1265, 294.5779

 4.5062, 0.8472,
16.3339

 213.7753,
152.9542, 352.7046

 1.9923, 0.0000,
9.6038

258.8096,

 0.6296, 0.0000,

189.9194, 418.0149

5.0349

309.7620,
232.4066, 490.9274

■ 0.0000, 0.0000,
2.2087

■ 0.0000, 0.0000,
0.6794

■ 47.3915, 25.5974,
97.0507

■ 47.3915, 25.5974,
97.0507

■ 44.4442, 22.1919,
96.5487

■ 51.0802, 30.3903,
97.7814

■ 42.1421, 19.9858,
96.2442

■ 55.5839, 36.7204,
98.7659

■ 40.7451, 18.9197,
96.1121

■ 60.9705, 44.7211,
100.0263

■ 67.2994, 54.5104,
101.5822

74.6246, 66.1955,
103.4516

82.9960, 79.8751,
105.6508

92.4599, 95.6409,
108.1951

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.



33.4901, 25.5974, 151.3571



47.3915, 25.5974, 97.0507



55.7896, 25.5974, 40.8062

Triad

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



47.3915, 25.5974, 97.0507



28.5041, 25.5974, 0.0000



8.2351, 25.5974, 58.5870

Complementary

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



47.3915, 25.5974, 97.0507



43.6761, 75.4732, 18.0611

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.



7.6946, 25.5974, 18.0069



47.3915, 25.5974, 97.0507



17.0133, 25.5974, 0.2224

Square

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



47.3915, 25.5974, 97.0507



42.7051, 25.5974, 1.5028



10.3099, 25.5974, 3.1658



12.1656, 25.5974, 118.9808

Rectangle

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



47.3915, 25.5974, 97.0507



55.7033, 25.5974, 17.4109



10.3099, 25.5974, 3.1658



7.7177, 25.5974, 41.8549

Sweetspot

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



47.3926, 25.5984, 97.0509



75.0549, 66.8912, 103.5632



26.5004, 20.3707, 97.1430



15.6147, 13.5916, 22.0504



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.



47.3926, 25.5984, 97.0509



43.3456, 21.0739, 96.3908



54.5308, 30.0811, 61.1135



18.3556, 18.0751, 22.7713



21.4280, 9.9570, 50.2271



2.1817, 1.0186, 4.8949

Inverse Universe

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



46.4113, 26.8333, 18.3570



43.4164, 23.0074, 10.6874



41.6363, 74.1623, 29.6795



18.1823, 18.0562, 19.5773



22.0120, 11.2941, 3.4474



2.1831, 1.1156, 0.5454

Previews

White Background



This preview shows how the XYZ color 47.3915, 25.5974, 97.0507 looks on a white background.

Color Contrast Check

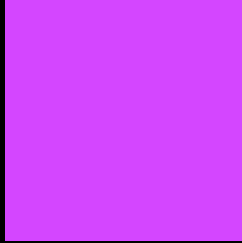
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.3915, 25.5974, 97.0507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

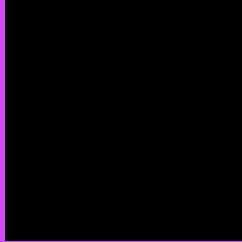
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.3915, 25.5974, 97.0507

Background



This preview shows how black text looks on a background with the XYZ color 47.3915, 25.5974, 97.0507.



This preview shows how white text looks on a background with the XYZ color 47.3915, 25.5974,

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

47.3915, 25.5974, 97.0507

Protanopia

29.6156, 26.0438, 98.0738

Deuteranopia

26.8711, 25.9053, 88.3780



Tritanopia

31.9394, 25.3089, 22.6038

Trichromacy



Original Color

47.3915, 25.5974, 97.0507



Protanomaly

32.1919, 22.9489, 97.3406



Deuteranomaly

29.2259, 22.2281, 90.7458



Tritanomaly

35.7277, 24.1816, 41.8142

Monochromacy



Original Color

47.3915, 25.5974, 97.0507



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

28.6206, 22.2646, 44.9085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3915, 25.5974, 97.0507 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, 70, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 70, 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, 70, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 70, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.3915, 25.5974, 97.0507 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, 70, 255) }
```


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

```
.border{ border-color:rgb(212, 70, 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, 70, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 70, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 70, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 70,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3915, 25.5974, 97.0507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 70, 255) }
```

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

```
.background{ background-color: rgb(212, 70,  
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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