

# Converting Colors

XYZ(66.1032, 42.1065, 99.2511)

Have a look what the booklet for  
XYZ(66.1032, 42.1065, 99.2511)  
contains.

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# Color

**XYZ(66.1274, 42.1547,  
99.2591)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF79FF
RGB	255, 121, 255
RGB Percent	100%, 47%, 100%
CMY	0.0000, 0.5255, 0.0000
CMYK	0.00, 0.53, 0.00, 0.00
HSL	300°, 100%, 74%
HSV	300°, 53%, 100%
XYZ	66.1274, 42.1547, 99.2591
YIQ	176.3420, 36.8500, 70.0820

# Conversions

## Conversions Part 2

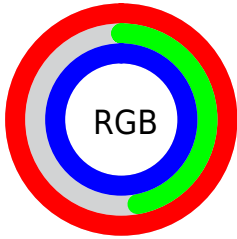
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 121, 255
Decimal	16742911
CIE <sub>Lab</sub>	70.98, 68.15, -43.96
CIE <sub>LCh</sub>	71, 81.096, 327.172
Yxy	42.1547, 0.3186, 0.2031
Android (android.graphics.Color)	4294932991 (0xFFFF79FF)
YUV	176.3420, 38.7784, 68.9831
Hunter-Lab	64.9267, 68.1795, -45.1932

# Details

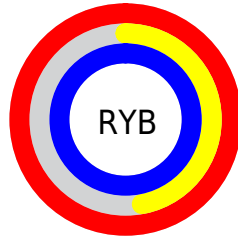
The XYZ color **66.1274, 42.1547, 99.2591** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **47.0976, 76.9660, 30.4647**, and the grayscale version is **41.2369, 43.3844, 47.2456**.

A 20% lighter version of the original color is **75.2104, 60.3208, 102.2868**, and **34.4762, 19.2343, 55.3216** is the 20% darker color. If you saturate the color by 10%, you get **63.4279, 36.7559, 98.3593**, and if you desaturate by 10%, it is **69.6471, 49.1941, 100.4324**.

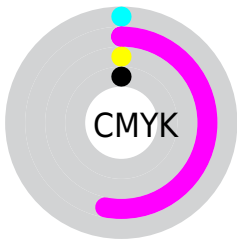
# Distribution



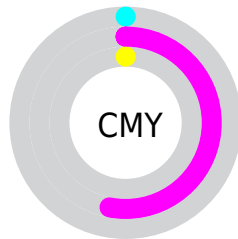
- Red (100%)
- Green (47%)
- Blue (100%)



- Red (100%)
- Yellow (47%)
- Blue (100%)



- Cyan (0%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (53%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1274, 42.1547, 99.2591 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 66.1274, 42.1547, 99.2591 by changing the saturation by 10% instead.




 66.1274, 42.1547,  
99.2591


 66.1274, 42.1547,  
99.2591

436.3138,  
355.1238, 579.0410


 48.6439, 29.2224,  
75.0685

 112.7259, 78.4337,  
162.1816

 34.5505, 19.2492,  
55.1669


 142.5716,  
102.5492, 201.7506

 23.4817, 11.8505,  
39.1359


 177.2688,  
131.1613, 247.2829

 15.0722, 6.6419,  
26.5568

217.1827,  
164.6544, 299.1968

 8.9567, 3.2392,  
17.0112

262.6789,  
203.4127, 357.9111

 4.7699, 1.2578,  
10.0804

314.1225,

 2.1462, 0.1082,

247.8208, 423.8442

5.3460

371.8791,  
298.2631, 497.4146

■ 0.7142, 0.0000,  
2.3894

■ 0.0000, 0.0000,  
0.7807

■ 66.1274, 42.1547,  
99.2591

■ 66.1274, 42.1547,  
99.2591

■ 63.4279, 36.7559,  
98.3593

■ 69.6471, 49.1941,  
100.4324

■ 61.4805, 32.8611,  
97.7102

■ 74.0437, 57.9873,  
101.8979

■ 60.2096, 30.3193,  
97.2865

■ 79.3713, 68.6427,  
103.6738

■ 59.5230, 28.9459,  
97.0577

■ 85.6793, 81.2585,  
105.7764

■ 59.2900, 28.4800,  
96.9800

■ 93.0132, 95.9264,  
108.2211

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.



53.1520, 42.1547, 149.1283



66.1274, 42.1547, 99.2591



72.0507, 42.1547, 49.6720

# Triad

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



66.1274, 42.1547, 99.2591



41.3633, 42.1547, 4.4641



21.1013, 42.1547, 88.9938

# Complementary

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



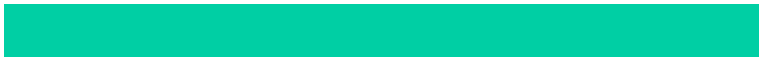
66.1274, 42.1547, 99.2591



47.0976, 76.9660, 30.4647

# 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.



19.3041, 42.1547, 42.3227



66.1274, 42.1547, 99.2591



29.3274, 42.1547, 6.4129

# Square

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



66.1274, 42.1547, 99.2591



55.8799, 42.1547, 7.4538



21.9489, 42.1547, 16.2090



27.5596, 42.1547, 141.2135



# Rectangle

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



66.1274, 42.1547, 99.2591



70.3963, 42.1547, 27.2375



21.9489, 42.1547, 16.2090



20.0053, 42.1547, 71.5815

# Sweetspot

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



66.1281, 42.1562, 99.2594



83.3872, 76.6744, 105.0124



32.7741, 24.9616, 97.6984



17.5681, 15.8512, 22.3836



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.



66.1281, 42.1562, 99.2594



63.3239, 36.5478, 98.3246



57.1555, 38.5672, 52.0104



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Inverse Universe

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



66.1281, 42.1562, 99.2594



63.3239, 36.5478, 98.3246



52.7234, 79.2163, 60.0901



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 66.1274, 42.1547, 99.2591 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

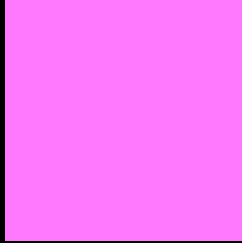
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.1274, 42.1547, 99.2591 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

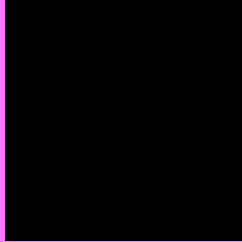
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 66.1274, 42.1547, 99.2591

## Background



This preview shows how black text looks on a background with the XYZ color 66.1274, 42.1547, 99.2591.



This preview shows how white text looks on a background with the XYZ color 66.1274, 42.1547,



# 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

66.1274, 42.1547, 99.2591

### Protanopia

44.4796, 42.7448, 100.5140

### Deuteranopia

43.5998, 42.4548, 93.0854



## Tritanopia

53.3268, 42.0468, 37.2035

# Trichromacy



## Original Color

66.1274, 42.1547, 99.2591



## Protanomaly

49.4488, 40.3168, 99.7834



## Deuteranomaly

48.9836, 40.1868, 94.7976



## Tritanomaly

56.9291, 41.5157, 55.4649

# Monochromacy



## Original Color

66.1274, 42.1547, 99.2591



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

48.0847, 41.1638, 63.1687

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.1274, 42.1547, 99.2591 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(255, 121, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 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(255, 121, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 66.1274, 42.1547, 99.2591 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(255, 121, 255) }
```



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

```
.border{ border-color:rgb(255, 121, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 121, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.1274, 42.1547, 99.2591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 255) }
```

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

```
.background{ background-color: rgb(255,  
121, 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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