

# Converting Colors

XYZ(66.2702, 43.5187, 95.9826)

Have a look what the booklet for  
XYZ(66.2702, 43.5187, 95.9826)  
contains.

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# Color

**XYZ(66.3718, 43.6634,  
96.1965)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF80FB
RGB	255, 128, 251
RGB Percent	100%, 50%, 98%
CMY	0.0000, 0.4980, 0.0157
CMYK	0.00, 0.50, 0.02, 0.00
HSL	302°, 100%, 75%
HSV	302°, 50%, 100%
XYZ	66.3718, 43.6634, 96.1965
YIQ	179.9950, 36.2090, 65.1770

# Conversions

## Conversions Part 2

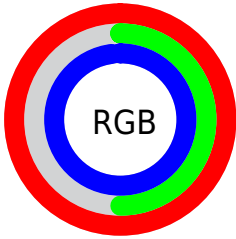
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 128, 251</a>
Decimal	<a href="#">16744699</a>
CIELab	<a href="#">72.00, 64.27, -40.18</a>
CIElCh	<a href="#">72, 75.797, 327.987</a>
Yxy	<a href="#">43.6634, 0.3218, 0.2117</a>
Android (android.graphics.Color)	<a href="#">4294934779</a> (0xFFFF80FB)
YUV	<a href="#">179.9950, 35.0055, 65.7794</a>
Hunter-Lab	<a href="#">66.0783, 63.6559, -40.0593</a>

# Details

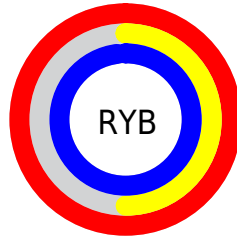
The XYZ color **66.3718, 43.6634, 96.1965** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **48.8283, 77.7758, 34.2705**, and the grayscale version is **43.1856, 45.4346, 49.4783**.

A 20% lighter version of the original color is **76.6390, 63.1779, 102.7630**, and **34.7558, 20.1373, 53.0940** is the 20% darker color. If you saturate the color by 10%, you get **63.3276, 37.7771, 94.5591**, and if you desaturate by 10%, it is **70.2539, 51.2244, 98.1170**.

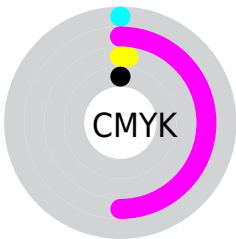
# Distribution



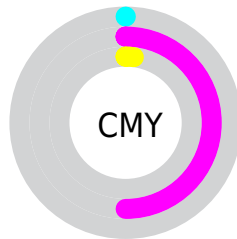
- Red (100%)
- Green (50%)
- Blue (98%)



- Red (100%)
- Yellow (50%)
- Blue (98%)



- Cyan (0%)
- Magenta (50%)
- Yellow (2%)
- Black (0%)




- Cyan (0%)
- Magenta (50%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.3718, 43.6634, 96.1965 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 66.3718, 43.6634, 96.1965 by changing the saturation by 10% instead.




 66.3718, 43.6634,  
96.1965


 66.3718, 43.6634,  
96.1965


437.1731,  
361.3329, 569.0703

 48.8431, 30.4060,  
72.5288


 113.0746, 80.7110,  
157.9264

 34.7091, 20.1469,  
53.1013


 142.9794,  
105.2700, 196.8256

 23.6043, 12.5019,  
37.4954


 177.7402,  
134.3649, 241.6392

 15.1635, 7.0865,  
25.2925

217.7225,  
168.3802, 292.7856

 9.0213, 3.5162,  
16.0741

263.2916,  
207.7003, 350.6834

 4.8123, 1.4068,  
9.4217

314.8128,

 2.1712, 0.2217,

252.7095, 415.7510

4.9167

372.6515,  
303.7922, 488.4072

■ 0.7275, 0.0000,  
2.1406

■ 0.0000, 0.0000,  
0.6398

■ 66.3718, 43.6634,  
96.1965

■ 66.3718, 43.6634,  
96.1965

■ 63.3276, 37.7771,  
94.5591

■ 70.2539, 51.2244,  
98.1170

■ 61.0548, 33.4328,  
93.1809

■ 75.0284, 60.5695,  
100.3371

■ 59.4813, 30.4862,  
92.0384

■ 80.7484, 71.8048,  
102.8750

■ 58.5200, 28.7633,  
91.1026

■ 87.4621, 85.0265,  
105.7468

■ 58.0318, 27.9855, 95.0500, 100.0000,  
90.3271 108.9000

■ 58.0238, 27.9735,  
90.3123

# Harmonies

## Analogous

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



54.3045, 43.6634, 142.2942



66.3718, 43.6634, 96.1965



71.6591, 43.6634, 50.0884

# Triad

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



66.3718, 43.6634, 96.1965



42.3806, 43.6634, 5.9697



23.1805, 43.6634, 89.4284

# Complementary

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



66.3718, 43.6634, 96.1965



48.8283, 77.7758, 34.2705

# 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.



21.2725, 43.6634, 45.0834



66.3718, 43.6634, 96.1965



30.8865, 43.6634, 8.2987

# Square

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



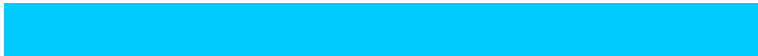
66.3718, 43.6634, 96.1965



56.1351, 43.6634, 9.1050



23.7781, 43.6634, 18.8915



29.6603, 43.6634, 137.1604



# Rectangle

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



66.3718, 43.6634, 96.1965



69.9450, 43.6634, 28.7594



23.7781, 43.6634, 18.8915



22.0507, 43.6634, 73.1130

# Sweetspot

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



66.3727, 43.6651, 96.1974



83.8451, 77.8996, 104.2113



34.9948, 27.4155, 98.0550



17.6492, 16.0887, 22.1779



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.



66.3727, 43.6651, 96.1974



63.2752, 37.6763, 94.5293



58.1873, 40.3909, 53.0938



18.7665, 18.2899, 22.6535



30.3298, 14.6212, 47.2484



2.9606, 1.4266, 4.6398



# Inverse Universe

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



66.3727, 43.6651, 96.1974



63.2752, 37.6763, 94.5293



54.3580, 79.9877, 63.3895



18.7665, 18.2899, 22.6535



30.3298, 14.6212, 47.2484



2.9606, 1.4266, 4.6398



# Previews

## White Background



This preview shows how the XYZ color 66.3718, 43.6634, 96.1965 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

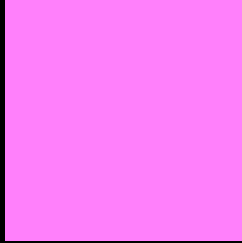
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.3718, 43.6634, 96.1965 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

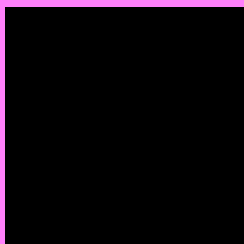
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 66.3718, 43.6634, 96.1965**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.3718, 43.6634, 96.1965.



This preview shows how white text looks on a background with the XYZ color 66.3718, 43.6634,



# 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

66.3718, 43.6634, 96.1965

### Protanopia

45.5805, 43.8817, 100.6754

### Deuteranopia

45.0240, 43.8111, 90.8774



## Tritanopia

54.6476, 43.6190, 39.2573

# Trichromacy



## Original Color

66.3718, 43.6634, 96.1965



## Protanomaly

50.6854, 41.9611, 99.1938



## Deuteranomaly

50.4298, 41.9742, 92.6327



## Tritanomaly

58.1220, 43.1975, 56.3135

# Monochromacy



## Original Color

66.3718, 43.6634, 96.1965



## Achromatopsia

43.3819, 45.6411, 49.7032



## Achromatomaly

49.6176, 43.2114, 64.1180

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.3718, 43.6634, 96.1965 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, 128, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 251)  
}
```

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, 128, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 66.3718, 43.6634, 96.1965 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, 128, 251) }
```



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

```
.border{ border-color:rgb(255, 128, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.3718, 43.6634, 96.1965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 251) }
```

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

```
.background{ background-color: rgb(255,  
128, 251) }
```

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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