

# Converting Colors

XYZ(66.8433, 51.4248,  
101.0107)

Have a look what the booklet for  
XYZ(66.8433, 51.4248, 101.0107)  
contains.

<b>XYZ(66.9055, 51.5859, 101.0385)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(66.9055, 51.5859,  
101.0385)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0A2FF
RGB	240, 162, 255
RGB Percent	94%, 64%, 100%
CMY	0.0588, 0.3647, 0.0000
CMYK	0.06, 0.36, 0.00, 0.00
HSL	290°, 100%, 82%
HSV	290°, 36%, 100%
XYZ	66.9055, 51.5859, 101.0385
YIQ	195.9240, 16.6350, 45.4590

# Conversions

## Conversions Part 2

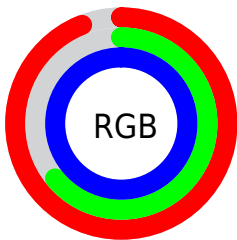
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 162, 255
Decimal	15770367
CIE Lab	77.03, 43.78, -34.68
CIE LCh	77, 55.846, 321.617
Yxy	51.5859, 0.3048, 0.2350
Android (android.graphics.Color)	4293960447 (0xFFFF0A2FF)
YUV	195.9240, 29.1245, 38.6547
Hunter-Lab	71.8233, 40.5871, -33.1307

# Details

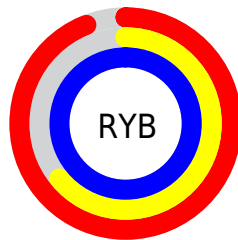
The XYZ color **66.9055, 51.5859, 101.0385** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **60.4142, 83.4763, 47.1132**, and the grayscale version is **52.2493, 54.9703, 59.8627**.

A 20% lighter version of the original color is **84.3614, 78.6228, 105.3371**, and **35.1901, 25.0818, 56.4126** is the 20% darker color. If you saturate the color by 10%, you get **61.4808, 42.7849, 99.6257**, and if you desaturate by 10%, it is **73.2757, 62.2289, 102.7571**.

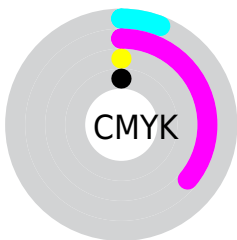
# Distribution



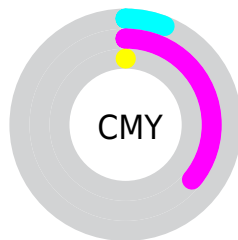
- Red (94%)
- Green (64%)
- Blue (100%)



- Red (94%)
- Yellow (64%)
- Blue (100%)



- Cyan (6%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (36%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9055, 51.5859, 101.0385 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 66.9055, 51.5859, 101.0385 by changing the saturation by 10% instead.




 66.9055, 51.5859,  
101.0385


 66.9055, 51.5859,  
101.0385


439.0461,  
392.8359, 584.7922

 49.2782, 36.6751,  
76.5464


 113.8355, 92.5202,  
164.6479

 35.0557, 24.9560,  
56.3713


 143.8690,  
119.3126, 204.6023

 23.8725, 16.0443,  
40.0947

178.7687,  
150.8342, 250.5478

 15.3633, 9.5555,  
27.2981

218.8998,  
187.4696, 302.9031

 9.1627, 5.1053,  
17.5628

264.6277,  
229.6030, 362.0866

 4.9054, 2.3092,  
10.4704

316.3178,

 2.2261, 0.7785,

277.6190, 428.5170

5.6023

374.3355,  
331.9018, 502.6126

■ 0.7564, 0.0000,  
2.5399

■ 0.0000, 0.0000,  
0.8612

■ 66.9055, 51.5859,  
101.0385

■ 66.9055, 51.5859,  
101.0385

■ 61.4808, 42.7849,  
99.6257

■ 73.2757, 62.2289,  
102.7571

■ 56.9413, 35.7085,  
98.4990

■ 80.6375, 74.8091,  
104.7973

■ 53.2269, 30.2359,  
97.6385

■ 89.0398, 89.4225,  
107.1751

■ 50.2678, 26.2280,  
97.0208

95.0500, 100.0000,  
108.9000

■ 47.9822, 23.5214,  
96.6189

■ 46.2680, 21.9120,  
96.3986

■ 45.7448, 21.4972,  
96.3461

# Harmonies

## Analogous

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



56.9714, 51.5859, 130.2686



66.9055, 51.5859, 101.0385



72.2176, 51.5859, 65.1629

# Triad

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



66.9055, 51.5859, 101.0385



52.0784, 51.5859, 15.8239



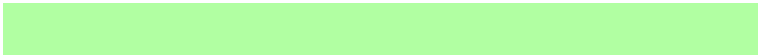
32.3458, 51.5859, 80.6724

# Complementary

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



66.9055, 51.5859, 101.0385



60.4142, 83.4763, 47.1132

# 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.



31.4286, 51.5859, 48.0420



66.9055, 51.5859, 101.0385



41.8647, 51.5859, 17.3759

# Square

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



66.9055, 51.5859, 101.0385



62.8820, 51.5859, 21.5892



34.6622, 51.5859, 27.0481



37.3795, 51.5859, 115.8498



# Rectangle

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



66.9055, 51.5859, 101.0385



71.9580, 51.5859, 45.1633



34.6622, 51.5859, 27.0481



31.5781, 51.5859, 68.8298

# Sweetspot

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



66.9071, 51.5881, 101.0388



85.1006, 82.5429, 106.0548



48.7733, 46.5458, 101.0213



17.9719, 17.2448, 22.6313



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.



66.9071, 51.5881, 101.0388



62.7357, 44.7930, 99.9471



67.6160, 52.4844, 77.0890



18.4881, 18.1433, 22.7775



24.0099, 11.2881, 50.3479



2.4113, 1.1370, 4.9056



# Inverse Universe

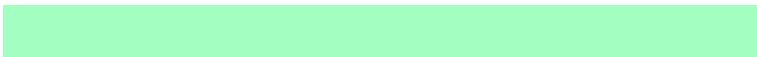
The Inverse Universe completely reimagines the original color for something new.



62.0974, 50.2769, 48.0281



57.4563, 43.4144, 39.0214



60.2873, 83.0523, 63.3073



18.1288, 18.0348, 19.2956



21.7941, 11.2069, 2.3001

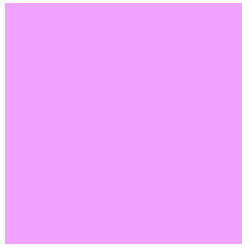


2.1545, 1.1042, 0.3948



# Previews

## White Background



This preview shows how the XYZ color 66.9055, 51.5859, 101.0385 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

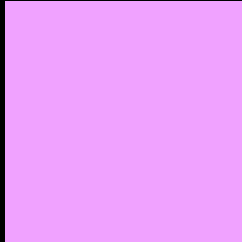
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.9055, 51.5859, 101.0385 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

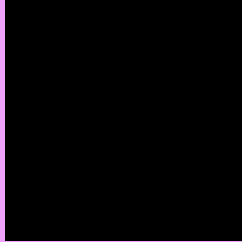
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 66.9055, 51.5859, 101.0385

## Background



This preview shows how black text looks on a background with the XYZ color 66.9055, 51.5859, 101.0385.



This preview shows how white text looks on a background with the XYZ color 66.9055, 51.5859,



# 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

66.9055, 51.5859, 101.0385

### Protanopia

52.8278, 51.8444, 101.8304

### Deuteranopia

53.1571, 51.7899, 97.6372



## Tritanopia

57.6656, 51.7137, 55.0865

# Trichromacy



## Original Color

66.9055, 51.5859, 101.0385



## Protanomaly

56.9350, 51.1960, 101.4887



## Deuteranomaly

57.3105, 51.1484, 98.9475



## Tritanomaly

60.5048, 51.4223, 69.6873

# Monochromacy



## Original Color

66.9055, 51.5859, 101.0385



## Achromatopsia

52.4687, 55.2011, 60.1140



## Achromatomaly

56.8163, 53.2878, 72.9367

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.9055, 51.5859, 101.0385 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(240, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 162, 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(240, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 162, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 66.9055, 51.5859, 101.0385 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(240, 162, 255) }
```



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

```
.border{ border-color:rgb(240, 162, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 162,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.9055, 51.5859, 101.0385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 162, 255) }
```

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

```
.background{ background-color: rgb(240,  
162, 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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