

# Converting Colors

XYZ(69.0723, 48.9443,  
124.3298)

Have a look what the booklet for  
XYZ(69.0723, 48.9443, 124.3298)  
contains.

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# Color

**XYZ(64.3940, 47.0656,  
100.2984)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EF95FF
RGB	239, 149, 255
RGB Percent	94%, 58%, 100%
CMY	0.0627, 0.4157, 0.0000
CMYK	0.06, 0.42, 0.00, 0.00
HSL	291°, 100%, 79%
HSV	291°, 42%, 100%
XYZ	64.3940, 47.0656, 100.2984
YIQ	187.9940, 19.6140, 52.0460

# Conversions

## Conversions Part 2

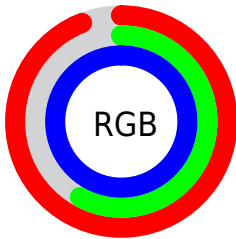
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 149, 255
Decimal	15701503
CIE Lab	74.23, 50.21, -39.03
CIE LCh	74, 63.596, 322.144
Yxy	47.0656, 0.3041, 0.2223
Android (android.graphics.Color)	4293891583 (0xFFEF95FF)
YUV	187.9940, 33.0340, 44.7323
Hunter-Lab	68.6044, 47.4875, -38.6579

# Details

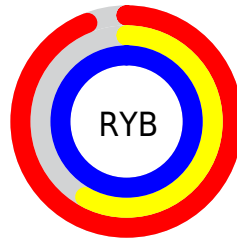
The XYZ color **64.3940, 47.0656, 100.2984** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.7030, 81.6898, 41.2151**, and the grayscale version is **47.6086, 50.0879, 54.5457**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **33.3413, 22.0854, 55.9317** is the 20% darker color. If you saturate the color by 10%, you get **59.5073, 39.1998, 99.0377**, and if you desaturate by 10%, it is **70.1944, 56.7158, 101.8553**.

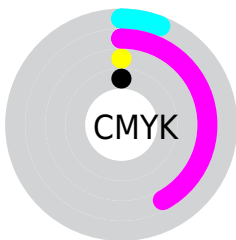
# Distribution



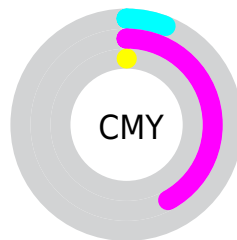
- Red (94%)
- Green (58%)
- Blue (100%)



- Red (94%)
- Yellow (58%)
- Blue (100%)



- Cyan (6%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (42%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3940, 47.0656, 100.2984 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 64.3940, 47.0656, 100.2984 by changing the saturation by 10% instead.



64.3940, 47.0656,  
100.2984

64.3940, 47.0656,  
100.2984

430.1908,  
375.0763, 582.4038

47.2327, 33.0875,  
75.9315

110.2487, 85.8115,  
163.6226

33.4284, 22.1935,  
55.8700

139.6729,  
111.3482, 203.4171

22.6156, 13.9991,  
39.6954

173.9154,  
141.5065, 249.1911

14.4291, 8.1201,  
26.9892

213.3417,  
176.6708, 301.3632

8.5034, 4.1719,  
17.3327

258.3170,  
217.2255, 360.3520

4.4732, 1.7702,  
10.3075

309.2067,

1.9732, 0.4685,

263.5551, 426.5760

5.4951

366.3762,  
316.0439, 500.4538

■ 0.6188, 0.0000,  
2.4768

■ 0.0000, 0.0000,  
0.8278

■ 64.3940, 47.0656,  
100.2984

■ 64.3940, 47.0656,  
100.2984

■ 59.5073, 39.1998,  
99.0377

■ 70.1944, 56.7158,  
101.8553

■ 55.4714, 32.9959,  
98.0529

■ 76.9573, 68.2505,  
103.7253

■ 52.2225, 28.3254,  
97.3226

■ 84.7331, 81.7694,  
105.9249

■ 49.6854, 25.0379,  
96.8218

■ 93.5673, 97.3634,  
108.4692

■ 47.7694, 22.9529, 95.0500, 100.0000,  
96.5204 108.9000

■ 46.5204, 21.8970,  
96.3824

# Harmonies

## Analogous

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



53.5265, 47.0656, 134.2805



64.3940, 47.0656, 100.2984



70.1842, 47.0656, 60.3252

# Triad

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



64.3940, 47.0656, 100.2984



47.8013, 47.0656, 10.7973



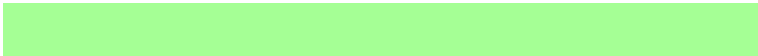
27.3317, 47.0656, 78.7738

# Complementary

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



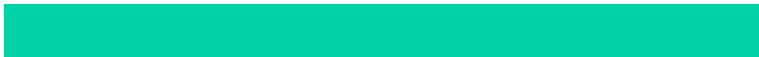
64.3940, 47.0656, 100.2984



56.7030, 81.6898, 41.2151

# 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.



26.3271, 47.0656, 43.1276



64.3940, 47.0656, 100.2984



36.9621, 47.0656, 12.2942

# Square

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



64.3940, 47.0656, 100.2984



59.5977, 47.0656, 15.9179



29.5487, 47.0656, 21.5450



32.5739, 47.0656, 118.6070



# Rectangle

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



64.3940, 47.0656, 100.2984



69.7999, 47.0656, 39.1295



29.5487, 47.0656, 21.5450



26.5279, 47.0656, 65.6374

# Sweetspot

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



64.3955, 47.0676, 100.2987



84.3745, 81.1411, 105.8225



44.2039, 41.1271, 100.2163



17.8308, 16.9672, 22.5852



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.



64.3955, 47.0676, 100.2987



60.2152, 40.3193, 99.2165



64.8627, 47.9063, 73.3083



18.5074, 18.1533, 22.7784



24.4099, 11.4943, 50.3667



2.4465, 1.1551, 4.9073



# Inverse Universe

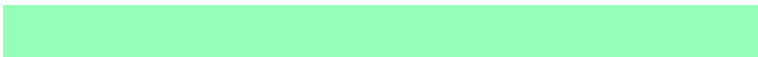
The Inverse Universe completely reimagines the original color for something new.



58.7801, 45.4733, 41.2781



54.1405, 38.6668, 32.1085



56.8425, 81.3849, 58.2457



18.1211, 18.0317, 19.2548



21.7689, 11.1969, 2.1676



2.1508, 1.1027, 0.3758



# Previews

## White Background



This preview shows how the XYZ color 64.3940, 47.0656, 100.2984 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

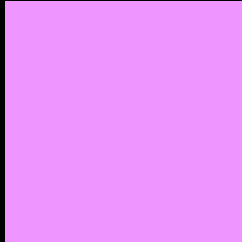
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.3940, 47.0656, 100.2984 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

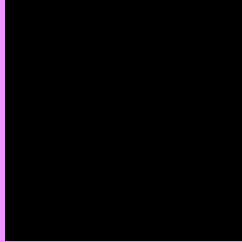
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 64.3940, 47.0656, 100.2984

## Background



This preview shows how black text looks on a background with the XYZ color 64.3940, 47.0656, 100.2984.



This preview shows how white text looks on a background with the XYZ color 64.3940, 47.0656,

100.2984.

# 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

64.3940, 47.0656, 100.2984

### Protanopia

48.8719, 47.6387, 101.2271

### Deuteranopia

48.5244, 47.2686, 96.1888



## Tritanopia

53.6670, 46.9808, 48.3591

# Trichromacy



## Original Color

64.3940, 47.0656, 100.2984



## Protanomaly

52.9770, 46.2873, 100.7499



## Deuteranomaly

53.0864, 46.4173, 97.4283



## Tritanomaly

56.9901, 46.7536, 64.4132

# Monochromacy



## Original Color

64.3940, 47.0656, 100.2984



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

52.7518, 48.2910, 68.8281

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.3940, 47.0656, 100.2984 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(239, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 149, 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(239, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 149, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 64.3940, 47.0656, 100.2984 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(239, 149, 255) }
```



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

```
.border{ border-color:rgb(239, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 149,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.3940, 47.0656, 100.2984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 149, 255) }
```

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

```
.background{ background-color: rgb(239,  
149, 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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