

# Converting Colors

XYZ(40.2617, 37.1296, 92.0853)

Have a look what the booklet for  
XYZ(40.2617, 37.1296, 92.0853)  
contains.

<b>XYZ(40.3604, 37.2897, 92.2592)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	28
<i><b>CSS Examples</b></i>	31

# Color

**XYZ(40.3604, 37.2897,  
92.2592)**

# Conversions

Conversions Part 1	
Format	Color
Hex	8F9FF6
RGB	143, 159, 246
RGB Percent	56%, 62%, 96%
CMY	0.4392, 0.3765, 0.0353
CMYK	0.42, 0.35, 0.00, 0.04
HSL	231°, 85%, 76%
HSV	231°, 42%, 96%
XYZ	40.3604, 37.2897, 92.2592
YIQ	164.1340, -37.4630, 23.6650

# Conversions

## Conversions Part 2

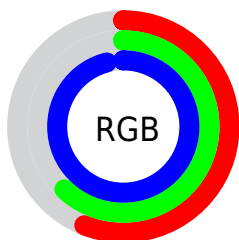
Format	Color
<a href="#">RYB</a>	<a href="#">143, 157, 246</a>
Decimal	<a href="#">9412598</a>
CIELab	<a href="#">67.49, 15.93, -45.30</a>
CIELCh	<a href="#">67, 48.019, 289.374</a>
Yxy	<a href="#">37.2897, 0.2375, 0.2195</a>
Android (android.graphics.Color)	<a href="#">4287602678</a> <a href="#">(0xFF8F9FF6)</a>
YUV	<a href="#">164.1340, 40.3599, -18.5345</a>
Hunter-Lab	<a href="#">61.0653, 11.1133, -46.8313</a>

# Details

The XYZ color **40.3604, 37.2897, 92.2592** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **71.2624, 78.1717, 37.3212**, and the grayscale version is **35.1782, 37.0103, 40.3042**.

A 20% lighter version of the original color is **65.6637, 67.0879, 104.0961**, and **18.4783, 16.4255, 50.3406** is the 20% darker color. If you saturate the color by 10%, you get **33.2815, 28.7749, 90.9895**, and if you desaturate by 10%, it is **48.9763, 47.4898, 93.7746**.

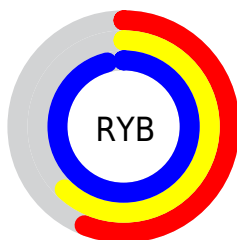
# Distribution



Red (56%)

Green (62%)

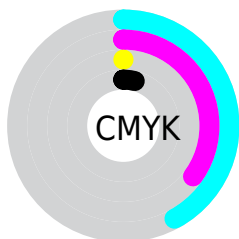
Blue (96%)



Red (56%)

Yellow (62%)

Blue (96%)

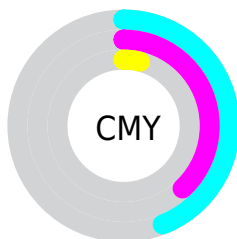


Cyan (42%)

Magenta (35%)

Yellow (0%)

Black (4%)



Cyan (44%)


Magenta (38%)


Yellow (4%)

# Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3604, 37.2897, 92.2592 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 40.3604, 37.2897, 92.2592 by changing the saturation by 10% instead.


 40.3604, 37.2897,  
92.2592

 40.3604, 37.2897,  
92.2592

338.7487,  
334.5631, 556.1115

 28.0051, 25.4319,  
69.2717


 74.9929, 71.0181,  
152.4354

 18.4700, 16.3991,  
50.4599


 98.0008, 93.6575,  
190.4612

 11.3897, 9.8070,  
35.4052

125.2902,  
120.6595, 234.3368

 6.3988, 5.2712,  
23.6891

157.2266,  
152.4086, 284.4808

 3.1320, 2.4072,  
14.8931

194.1753,  
189.2891, 341.3117

 1.2239, 0.8296,  
8.5986


236.5017,


 0.1252, 0.0000,


231.6854, 405.2481


4.3871


284.5710,  
279.9819, 476.7085


 0.0000, 0.0000,  
1.8400


 0.0000, 0.0000,  
0.4542


 40.3604, 37.2897,  
92.2592


 40.3604, 37.2897,  
92.2592


 33.2815, 28.7749,  
90.9895


 48.9763, 47.4898,  
93.7746


 27.6439, 21.8496,  
89.9499

 59.2092, 59.4559,  
95.5450

 23.3473, 16.4142,  
89.1272

 71.1383, 73.2683,  
97.5823

 20.2761, 12.3560,  
88.5058

 84.8363, 89.0011,  
99.8971

■ 18.2945, 9.5452,  
88.0677

■ 93.6347, 99.4339,  
101.4471

■ 17.3345, 8.0535,  
87.8304

# Harmonies

## Analogous

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



32.8905, 37.2897, 95.0593



40.3604, 37.2897, 92.2592



47.3376, 37.2897, 73.2198

# Triad

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



40.3604, 37.2897, 92.2592



45.5061, 37.2897, 16.9128



23.2476, 37.2897, 33.5612

# Complementary

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



40.3604, 37.2897, 92.2592



71.2624, 78.1717, 37.3212

# 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.



25.7287, 37.2897, 19.4765



40.3604, 37.2897, 92.2592



38.1238, 37.2897, 12.3296

# Square

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



40.3604, 37.2897, 92.2592



50.5818, 37.2897, 28.5602



30.9417, 37.2897, 13.0686



23.6729, 37.2897, 55.6270

# Rectangle

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



40.3604, 37.2897, 92.2592



50.4475, 37.2897, 56.6629



30.9417, 37.2897, 13.0686



23.7541, 37.2897, 27.9051

# Sweetspot

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



40.3618, 37.2911, 92.2601



75.5971, 77.6635, 105.6139



58.4044, 77.4001, 85.8694



15.5438, 15.8873, 22.4973



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.



40.3618, 37.2911, 92.2601



37.3581, 32.7325, 98.9568



44.6662, 35.6870, 91.7236



15.7890, 16.3422, 20.8648



9.3161, 4.4260, 46.9013



0.8792, 0.5099, 4.1423



# Inverse Universe

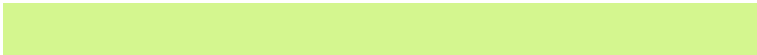
The Inverse Universe completely reimagines the original color for something new.



54.0878, 41.7426, 38.0084



54.1844, 38.6844, 32.3399



64.9703, 81.8433, 38.3615



16.6040, 16.5245, 17.6615



20.5069, 10.5462, 2.1116

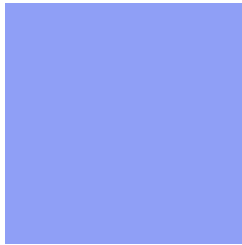


1.8329, 0.9391, 0.3463



# Previews

## White Background



This preview shows how the XYZ color 40.3604, 37.2897, 92.2592 looks on a white background.

## Color Contrast Check

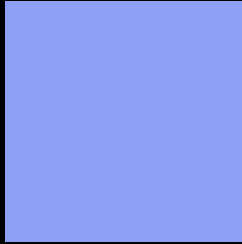
Large Text (above 18pt) WCAG AA × Fail

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 40.3604, 37.2897, 92.2592 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

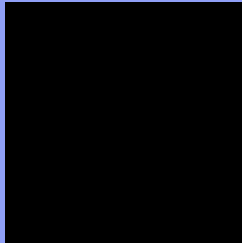
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 40.3604, 37.2897, 92.2592**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.3604, 37.2897, 92.2592.



This preview shows how white text looks on a background with the XYZ color 40.3604, 37.2897,



# 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

40.3604, 37.2897, 92.2592

### Protanopia

39.5197, 37.3354, 93.9305

### Deuteranopia

38.3310, 37.2990, 91.5654



## **Tritanopia**

32.0723, 37.1406, 51.3774

# Trichromacy



**Original Color**  
40.3604, 37.2897, 92.2592

**Protanomaly**  
39.6758, 37.1754, 93.0801

**Deuteranomaly**  
39.0746, 37.4198, 91.5495

**Tritanomaly**  
34.7541, 37.1290, 64.3664

# Monochromacy



**Original Color**  
40.3604, 37.2897, 92.2592

**Achromatopsia**  
35.2861, 37.1238, 40.4278

**Achromatomaly**  
36.3682, 36.8036, 56.2259

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.3604, 37.2897, 92.2592 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(143, 159, 246) looks like.

```
.text, #text, p{  
    color:rgb(143, 159, 246)  
}
```

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(143, 159, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 159, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 40.3604, 37.2897, 92.2592 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(143, 159, 246) }
```

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

```
.border{ border-color:rgb(143, 159, 246) }
```

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

Here you see how a box with a 4 pixel rgb(143, 159, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 159, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 159, 246);  
box-shadow:4px 4px 4px 4px rgb(143, 159,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.3604, 37.2897, 92.2592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 159, 246) }
```

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

```
.background{ background-color: rgb(143,  
159, 246) }
```

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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