

Converting Colors

XYZ(42.2333, 37.4987, 92.2008)

Have a look what the booklet for
XYZ(42.2333, 37.4987, 92.2008)
contains.

XYZ(42.2333, 37.4987, 92.2008)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.2333, 37.4987,
92.2008)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9CF6
RGB	156, 156, 246
RGB Percent	61%, 61%, 96%
CMY	0.3882, 0.3882, 0.0353
CMYK	0.37, 0.37, 0.00, 0.04
HSL	240°, 83%, 79%
HSV	240°, 37%, 96%
XYZ	42.2333, 37.4987, 92.2008
YIQ	166.2600, -28.8900, 27.9900

Conversions

Conversions Part 2

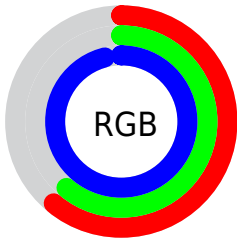
Format	Color
R _Y B	156, 156, 246
Decimal	10263798
CIE Lab	67.65, 20.98, -44.99
CIE LCh	68, 49.644, 295.004
Yxy	37.4987, 0.2456, 0.2181
Android (android.graphics.Color)	4288453878 (0xFF9C9CF6)
YUV	166.2600, 39.3118, -8.9980
Hunter-Lab	61.2362, 15.9444, -46.4052

Details

The XYZ color **42.2333, 37.4987, 92.2008** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.9631, 87.9053, 44.3648**, and the grayscale version is **36.1982, 38.0833, 41.4727**.

A 20% lighter version of the original color is **68.5372, 67.4593, 104.0164**, and **19.6037, 16.5440, 50.3042** is the 20% darker color. If you saturate the color by 10%, you get **34.2280, 27.8525, 90.7615**, and if you desaturate by 10%, it is **52.0412, 49.3163, 93.9656**.

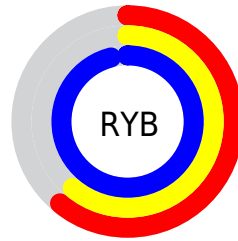
Distribution



Red (61%)

Green (61%)

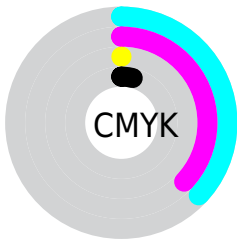
Blue (96%)



Red (61%)

Yellow (61%)

Blue (96%)

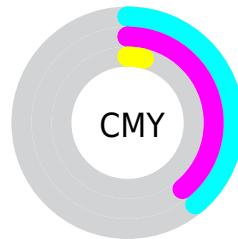


Cyan (37%)

Magenta (37%)

Yellow (0%)

Black (4%)



Cyan (39%)

Magenta (39%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2333, 37.4987, 92.2008 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 42.2333, 37.4987, 92.2008 by changing the saturation by 10% instead.

■ 42.2333, 37.4987,
92.2008

■ 42.2333, 37.4987,
92.2008

346.4243,
335.4646, 555.9180

■ 29.4759, 25.5938,
69.2235

■ 77.8155, 71.3391,
152.3538

■ 19.5872, 16.5200,
50.4208

■ 101.3711, 94.0435,
190.3665

■ 12.2019, 9.8929,
35.3744

129.2568,
121.1165, 234.2281

■ 6.9545, 5.3280,
23.6655

161.8380,
152.9425, 284.3571

■ 3.4797, 2.4410,
14.8758

199.4799,
189.9059, 341.1720

■ 1.4122, 0.8468,
8.5866

242.5481,

■ 0.2649, 0.0000,

232.3911, 405.0915

4.3794

291.4078,
280.7826, 476.5340

■ 0.0000, 0.0000,
1.8357

■ 0.0000, 0.0000,
0.4514

■ 42.2333, 37.4987,
92.2008

■ 42.2333, 37.4987,
92.2008

■ 34.2280, 27.8525,
90.7615

■ 52.0412, 49.3163,
93.9656

■ 27.9117, 20.2419,
89.6254

■ 63.7476, 63.4219,
96.0712

■ 23.1647, 14.5221,
88.7716

■ 77.4468, 79.9285,
98.5353

■ 19.8498, 10.5278,
88.1753

■ 93.2254, 98.9407,
101.3734

■ 17.8059, 8.0651,
87.8077

■ 93.6347, 99.4339,
101.4470

■ 16.8311, 6.8905,
87.6324

■ 16.6347, 6.6539,
87.5970

Harmonies

Analogous

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



34.3746, 37.4987, 98.8818



42.2333, 37.4987, 92.2008



49.1130, 37.4987, 70.0988

Triad

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



42.2333, 37.4987, 92.2008



44.7691, 37.4987, 15.1142



22.8950, 37.4987, 37.2669

Complementary

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



42.2333, 37.4987, 92.2008



76.9631, 87.9053, 44.3648

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.



24.8904, 37.4987, 21.1081



42.2333, 37.4987, 92.2008



36.9389, 37.4987, 11.5838

Square

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



42.2333, 37.4987, 92.2008



50.7178, 37.4987, 25.4754



29.7738, 37.4987, 13.2991



23.8947, 37.4987, 61.3698

Rectangle

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



42.2333, 37.4987, 92.2008



51.8372, 37.4987, 52.7400



29.7738, 37.4987, 13.2991



23.2282, 37.4987, 30.8628

Sweetspot

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



42.2347, 37.5001, 92.2017



77.1683, 78.4536, 105.6836



63.3016, 79.6341, 99.2240



16.0858, 16.2725, 22.5431



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.



42.2347, 37.5001, 92.2017



39.1357, 32.6268, 98.8427



52.6116, 42.8496, 92.6873



15.5813, 15.9268, 20.7955



8.8789, 3.5516, 46.7556



0.7804, 0.3122, 4.1094

Inverse Universe

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



66.5299, 50.0247, 93.3381



69.0823, 48.0649, 100.2433



63.0449, 80.7302, 43.7135



17.2137, 16.7683, 20.8719



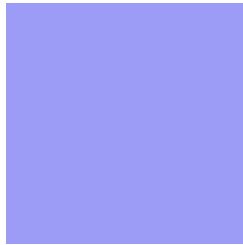
29.1649, 14.0094, 47.7041



2.5633, 1.2313, 4.1927

Previews

White Background



This preview shows how the XYZ color 42.2333, 37.4987, 92.2008 looks on a white background.

Color Contrast Check

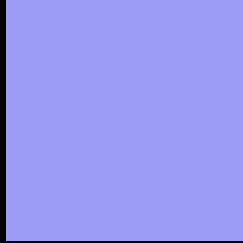
Large Text (above 18pt) WCAG AA × Fail

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 42.2333, 37.4987, 92.2008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

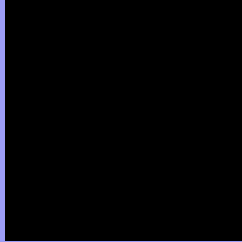
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2333, 37.4987, 92.2008

Background



This preview shows how black text looks on a background with the XYZ color 42.2333, 37.4987, 92.2008.



This preview shows how white text looks on a background with the XYZ color 42.2333, 37.4987,

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

42.2333, 37.4987, 92.2008

Protanopia

40.0058, 37.7922, 96.4529

Deuteranopia

38.6579, 37.7497, 90.8369



Tritanopia

33.7197, 37.4576, 50.2526

Trichromacy



Original Color

42.2333, 37.4987, 92.2008

Protanomaly

40.6542, 37.6439, 94.7458

Deuteranomaly

39.8738, 37.5713, 91.5366

Tritanomaly

36.2701, 37.1181, 63.6454

Monochromacy



Original Color

42.2333, 37.4987, 92.2008

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.6709, 37.4622, 56.8752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2333, 37.4987, 92.2008 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(156, 156, 246)` looks like.

```
.text, #text, p{  
    color:rgb(156, 156, 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(156, 156, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 156, 246) }
```

Border

The CSS property to change the border of an element to XYZ 42.2333, 37.4987, 92.2008 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(156, 156, 246) }
```


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

```
.border{ border-color:rgb(156, 156, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 156, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 156, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 156, 246);  
box-shadow:4px 4px 4px 4px rgb(156, 156,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2333, 37.4987, 92.2008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 156, 246) }
```

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

```
.background{ background-color: rgb(156,  
156, 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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