

Converting Colors

XYZ(42.7004, 37.9515, 97.1710)

Have a look what the booklet for
XYZ(42.7004, 37.9515, 97.1710)
contains.

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Color

**XYZ(42.5766, 37.8176,
97.1510)**

Conversions

Conversions Part 1

Format	Color
Hex	989DFC
RGB	152, 157, 252
RGB Percent	60%, 62%, 99%
CMY	0.4039, 0.3843, 0.0118
CMYK	0.40, 0.38, 0.00, 0.01
HSL	237°, 94%, 79%
HSV	237°, 40%, 99%
XYZ	42.5766, 37.8176, 97.1510
YIQ	166.3350, -33.4750, 28.4850

Conversions

Conversions Part 2

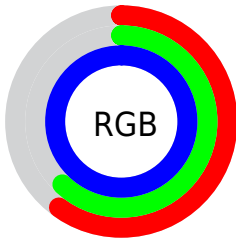
Format	Color
RYB	152, 157, 252
Decimal	10001916
CIELab	67.89, 21.00, -47.91
CIELCh	68, 52.310, 293.664
Yxy	37.8176, 0.2398, 0.2130
Android (android.graphics.Color)	4288191996 (0xFF989DFC)
YUV	166.3350, 42.2328, -12.5718
Hunter-Lab	61.4960, 15.9660, -50.6187

Details

The XYZ color **42.5766, 37.8176, 97.1510** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.0748, 89.4862, 42.8127**, and the grayscale version is **36.2223, 38.1087, 41.5004**.

A 20% lighter version of the original color is **67.6388, 67.3638, 104.0453**, and **19.8282, 16.7350, 53.8149** is the 20% darker color. If you saturate the color by 10%, you get **34.6902, 28.3174, 95.7337**, and if you desaturate by 10%, it is **52.2613, 49.4241, 98.8816**.

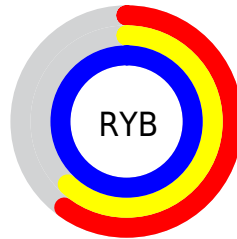
Distribution



Red (60%)

Green (62%)

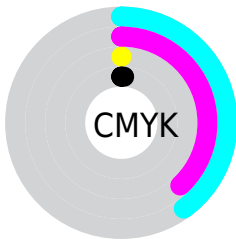
Blue (99%)



Red (60%)

Yellow (62%)

Blue (99%)

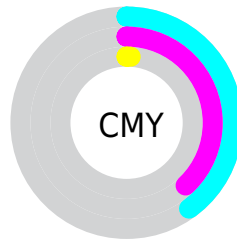


Cyan (40%)

Magenta (38%)

Yellow (0%)

Black (1%)



Cyan (40%)

Magenta (38%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5766, 37.8176, 97.1510 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 42.5766, 37.8176, 97.1510 by changing the saturation by 10% instead.

■ 42.5766, 37.8176,
97.1510

■ 42.5766, 37.8176,
97.1510

347.8187,
336.8369, 572.1878

■ 29.7461, 25.8412,
73.3198

■ 78.3312, 71.8285,
159.2540

■ 19.7931, 16.7048,
53.7441

■ 101.9861, 94.6317,
198.3629

■ 12.3521, 10.0243,
38.0053

129.9799,
121.8126, 243.4015

■ 7.0579, 5.4151,
25.6850

162.6778,
153.7557, 294.7882

■ 3.5450, 2.4928,
16.3645

200.4453,
190.8452, 352.9416

■ 1.4481, 0.8730,
9.6253

243.6477,

■ 0.2901, 0.0000,

233.4657, 418.2804

5.0489

292.6504,
282.0014, 491.2229

■ 0.0000, 0.0000,
2.2167

■ 0.0000, 0.0000,
0.6840

■ 42.5766, 37.8176,
97.1510

■ 42.5766, 37.8176,
97.1510

■ 34.6902, 28.3174,
95.7337

■ 52.2613, 49.4241,
98.8816

■ 28.4872, 20.7932,
94.6083

■ 63.8412, 63.2485,
100.9396

■ 23.8463, 15.1069,
93.7553

■ 77.4113, 79.3992,
103.3418

■ 20.6280, 11.1006,
93.1516

■ 93.0590, 97.9766,
106.1029

■ 18.6679, 8.5899,
92.7703

94.5708, 99.8083,
106.3767

■ 17.7295, 7.3306,
92.5767

■ 17.7096, 7.3059,
92.5730

Harmonies

Analogous

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



34.2502, 37.8176, 103.4569



42.5766, 37.8176, 97.1510



50.0328, 37.8176, 73.7281

Triad

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



42.5766, 37.8176, 97.1510



46.0030, 37.8176, 14.6538



22.5620, 37.8176, 36.4404

Complementary

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



42.5766, 37.8176, 97.1510



79.0748, 89.4862, 42.8127

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.



24.7853, 37.8176, 19.9721



42.5766, 37.8176, 97.1510



37.6938, 37.8176, 10.8213

Square

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



42.5766, 37.8176, 97.1510



52.2100, 37.8176, 25.7217



30.0396, 37.8176, 12.3145



23.4656, 37.8176, 61.8385

Rectangle

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



42.5766, 37.8176, 97.1510



53.0895, 37.8176, 55.0654



30.0396, 37.8176, 12.3145



22.9562, 37.8176, 29.8453

Sweetspot

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



42.5780, 37.8190, 97.1519



76.0918, 77.4856, 105.5535



64.5491, 83.0127, 100.6175



15.8850, 16.1072, 22.5217



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.



42.5780, 37.8190, 97.1519



36.8516, 30.5576, 98.5637



51.8266, 41.3571, 97.3474



16.3526, 16.7821, 21.7627



9.2551, 3.8658, 48.2319



0.8809, 0.4055, 4.4750

Inverse Universe

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



57.4602, 45.5880, 37.6703



54.2124, 39.7816, 29.1393



66.2114, 85.1543, 42.6545



17.2798, 17.2393, 18.0630



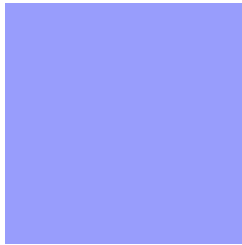
20.9636, 10.8012, 1.2508



1.9536, 1.0052, 0.1789

Previews

White Background



This preview shows how the XYZ color 42.5766, 37.8176, 97.1510 looks on a white background.

Color Contrast Check

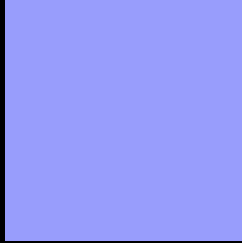
Large Text (above 18pt) WCAG AA × Fail

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 42.5766, 37.8176, 97.1510 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 42.5766, 37.8176, 97.1510

Background



This preview shows how black text looks on a background with the XYZ color 42.5766, 37.8176, 97.1510.



This preview shows how white text looks on a background with the XYZ color 42.5766, 37.8176,

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

42.5766, 37.8176, 97.1510

Protanopia

40.3304, 37.8860, 99.7948

Deuteranopia

39.0226, 38.0975, 95.7393



Tritanopia

33.4732, 37.8628, 51.4430

Trichromacy



Original Color

42.5766, 37.8176, 97.1510

Protanomaly

41.1077, 37.7863, 98.8928

Deuteranomaly

40.1644, 37.8740, 96.4603

Tritanomaly

36.3002, 37.6267, 65.6710

Monochromacy



Original Color

42.5766, 37.8176, 97.1510

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.8732, 37.8027, 58.1238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5766, 37.8176, 97.1510 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(152, 157, 252)` looks like.

```
.text, #text, p{  
    color:rgb(152, 157, 252)  
}
```

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(152, 157, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 157, 252) }
```

Border

The CSS property to change the border of an element to XYZ 42.5766, 37.8176, 97.1510 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(152, 157, 252) }
```


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

```
.border{ border-color:rgb(152, 157, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 157, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 157, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 157, 252);  
box-shadow:4px 4px 4px 4px rgb(152, 157,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5766, 37.8176, 97.1510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 157, 252) }
```

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

```
.background{ background-color: rgb(152,  
157, 252) }
```

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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