

Converting Colors

XYZ(42.7812, 36.4692, 96.0823)

Have a look what the booklet for
XYZ(42.7812, 36.4692, 96.0823)
contains.

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Color

**XYZ(42.7773, 36.4692,
96.0514)**

Conversions

Conversions Part 1

Format	Color
Hex	9F97FB
RGB	159, 151, 251
RGB Percent	62%, 59%, 98%
CMY	0.3765, 0.4078, 0.0157
CMYK	0.37, 0.40, 0.00, 0.02
HSL	245°, 93%, 79%
HSV	245°, 40%, 98%
XYZ	42.7773, 36.4692, 96.0514
YIQ	164.7920, -27.3320, 32.7960

Conversions

Conversions Part 2

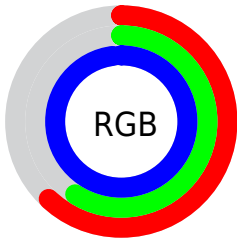
Format	Color
RYB	159, 151, 251
Decimal	10459131
CIELab	66.88, 25.95, -48.92
CIELCh	67, 55.376, 297.939
Yxy	36.4692, 0.2440, 0.2080
Android (android.graphics.Color)	4288649211 (0xFF9F97FB)
YUV	164.7920, 42.5005, -5.0796
Hunter-Lab	60.3897, 20.7591, -52.0294

Details

The XYZ color **42.7773, 36.4692, 96.0514** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.0455, 90.2839, 42.6451**, and the grayscale version is **35.4781, 37.3258, 40.6478**.

A 20% lighter version of the original color is **68.2002, 65.4816, 103.6524**, and **19.8883, 15.8929, 53.0584** is the 20% darker color. If you saturate the color by 10%, you get **35.0003, 27.0888, 94.6514**, and if you desaturate by 10%, it is **52.2723, 48.0129, 97.7798**.

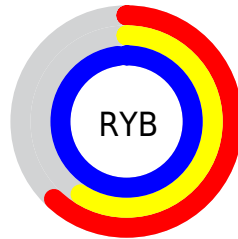
Distribution



Red (62%)

Green (59%)

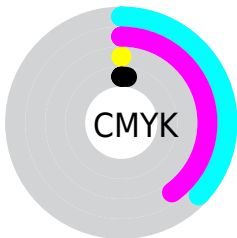
Blue (98%)



Red (62%)

Yellow (59%)

Blue (98%)

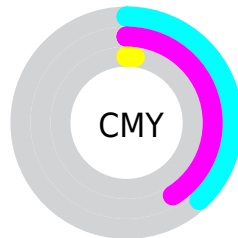


Cyan (37%)

Magenta (40%)

Yellow (0%)

Black (2%)



Cyan (38%)

Magenta (41%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7773, 36.4692, 96.0514 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 42.7773, 36.4692, 96.0514 by changing the saturation by 10% instead.

■ 42.7773, 36.4692,
96.0514

■ 42.7773, 36.4692,
96.0514

348.6322,
331.0067, 568.5956

■ 29.9042, 24.7968,
72.4087

■ 78.6325, 69.7557,
157.7244

■ 19.9136, 15.9257,
53.0037

■ 102.3453, 92.1385,
196.5917

■ 12.4401, 9.4716,
37.4180

130.4020,
118.8602, 241.3710

■ 7.1185, 5.0500,
25.2330

163.1680,
150.3053, 292.4808

■ 3.5833, 2.2767,
16.0301

201.0087,
186.8581, 350.3396

■ 1.4692, 0.7613,
9.3909

244.2894,

■ 0.3047, 0.0000,

228.9030, 415.3660

4.8967

293.3754,
276.8244, 487.9784

■ 0.0000, 0.0000,
2.1291

■ 0.0000, 0.0000,
0.6330

■ 42.7773, 36.4692,
96.0514

■ 42.7773, 36.4692,
96.0514

■ 35.0003, 27.0888,
94.6514

■ 52.2723, 48.0129,
97.7798

■ 28.8343, 19.7330,
93.5566

■ 63.5753, 61.8389,
99.8528

■ 24.1669, 14.2532,
92.7448

■ 76.7751, 78.0624,
102.2885

■ 20.8692, 10.4787,
92.1901

■ 91.9534, 96.7897,
105.1033

■ 18.7905, 8.2075,
91.8613

94.4127, 99.7451,
105.5441

■ 17.7149, 7.1273,
91.7095

■ 17.7029, 7.1147,
91.7077

Harmonies

Analogous

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



34.0863, 36.4692, 106.0196



42.7773, 36.4692, 96.0514



50.1975, 36.4692, 69.6018

Triad

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



42.7773, 36.4692, 96.0514



43.9431, 36.4692, 12.0270



20.9202, 36.4692, 38.0713

Complementary

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



42.7773, 36.4692, 96.0514



77.0455, 90.2839, 42.6451

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.



22.7177, 36.4692, 19.8982



42.7773, 36.4692, 96.0514



35.2459, 36.4692, 9.1339

Square

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



42.7773, 36.4692, 96.0514



50.9433, 36.4692, 21.7684



27.6455, 36.4692, 11.2935



22.2831, 36.4692, 65.5040

Rectangle

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



42.7773, 36.4692, 96.0514



52.9374, 36.4692, 50.1577



27.6455, 36.4692, 11.2935



21.1678, 36.4692, 30.8221

Sweetspot

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



42.7787, 36.4705, 96.0523



76.4441, 77.0528, 105.4514



62.6271, 78.4474, 103.1085



15.9671, 16.0064, 22.4979



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.



42.7787, 36.4705, 96.0523



37.6059, 29.6714, 98.3529



54.3990, 42.4611, 96.5961



16.4117, 16.7094, 21.7455



9.3514, 3.7635, 48.2071



0.9090, 0.3707, 4.4668

Inverse Universe

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



67.0286, 49.1145, 90.7407



66.0858, 44.5309, 91.6634



62.4178, 82.7430, 41.9606



17.9296, 17.4992, 21.4850



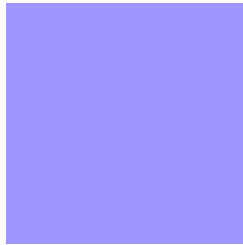
28.5130, 13.8209, 41.0056



2.6580, 1.2870, 3.8887

Previews

White Background



This preview shows how the XYZ color 42.7773, 36.4692, 96.0514 looks on a white background.

Color Contrast Check

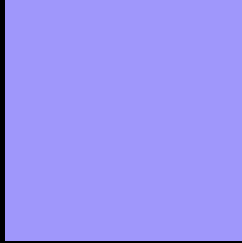
Large Text (above 18pt) WCAG AA × Fail

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 42.7773, 36.4692, 96.0514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

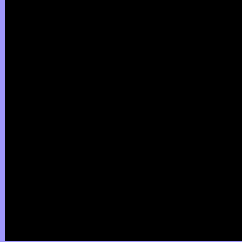
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7773, 36.4692, 96.0514

Background



This preview shows how black text looks on a background with the XYZ color 42.7773, 36.4692, 96.0514.



This preview shows how white text looks on a background with the XYZ color 42.7773, 36.4692,

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

42.7773, 36.4692, 96.0514

Protanopia

39.2005, 36.5283, 99.5923

Deuteranopia

37.7649, 36.6733, 94.7108



Tritanopia

33.1006, 36.3667, 47.9227

Trichromacy



Original Color

42.7773, 36.4692, 96.0514

Protanomaly

40.4253, 36.4217, 98.6654

Deuteranomaly

39.3137, 36.4242, 95.4010

Tritanomaly

36.1587, 36.2871, 62.8559

Monochromacy



Original Color

42.7773, 36.4692, 96.0514

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

37.6389, 36.9137, 57.3658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7773, 36.4692, 96.0514 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(159, 151, 251)` looks like.

```
.text, #text, p{  
    color:rgb(159, 151, 251)  
}
```

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(159, 151, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 151, 251) }
```

Border

The CSS property to change the border of an element to XYZ 42.7773, 36.4692, 96.0514 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(159, 151, 251) }
```


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

```
.border{ border-color:rgb(159, 151, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 151, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 151, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 151, 251);  
box-shadow:4px 4px 4px 4px rgb(159, 151,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7773, 36.4692, 96.0514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 151, 251) }
```

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

```
.background{ background-color: rgb(159,  
151, 251) }
```

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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