

Converting Colors

XYZ(70.2733, 51.0993, 98.6291)

Have a look what the booklet for
XYZ(70.2733, 51.0993, 98.6291)
contains.

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Color

**XYZ(70.2019, 51.0707,
98.2531)**

Conversions

Conversions Part 1

Format	Color
Hex	FF99FC
RGB	255, 153, 252
RGB Percent	100%, 60%, 99%
CMY	0.0000, 0.4000, 0.0118
CMYK	0.00, 0.40, 0.01, 0.00
HSL	302°, 100%, 80%
HSV	302°, 40%, 100%
XYZ	70.2019, 51.0707, 98.2531
YIQ	194.7840, 29.0130, 52.4130

Conversions

Conversions Part 2

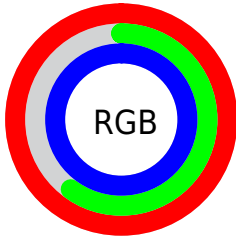
Format	Color
RYB	255, 153, 252
Decimal	16751100
CIELab	76.72, 52.30, -33.40
CIElCh	77, 62.060, 327.437
Yxy	51.0707, 0.3198, 0.2326
Android (android.graphics.Color)	4294941180 (0xFFFF99FC)
YUV	194.7840, 28.2075, 52.8094
Hunter-Lab	71.4638, 50.2866, -31.4912

Details

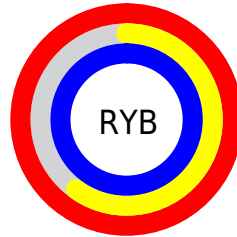
The XYZ color **70.2019, 51.0707, 98.2531** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.8991, 80.6933, 44.1365**, and the grayscale version is **51.5700, 54.2556, 59.0844**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **37.3381, 24.7341, 54.4360** is the 20% darker color. If you saturate the color by 10%, you get **66.3471, 43.5506, 96.3837**, and if you desaturate by 10%, it is **74.9511, 60.3784, 100.4243**.

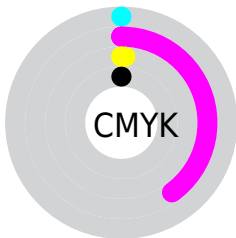
Distribution



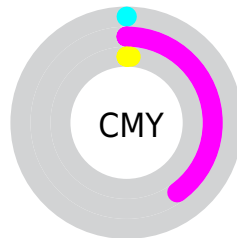
- Red (100%)
- Green (60%)
- Blue (99%)



- Red (100%)
- Yellow (60%)
- Blue (99%)



- Cyan (0%)
- Magenta (40%)
- Yellow (1%)
- Black (0%)



- Cyan (0%)
- Magenta (40%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2019, 51.0707, 98.2531 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 70.2019, 51.0707, 98.2531 by changing the saturation by 10% instead.

70.2019, 51.0707,
98.2531

70.2019, 51.0707,
98.2531

450.5140,
390.8384, 575.7761

51.9713, 36.2649,
74.2337

118.5213, 91.7593,
160.7853

37.2064, 24.6388,
54.4874

149.3409,
118.4108, 200.1353

25.5418, 15.8082,
38.5956

185.0876,
149.7797, 245.4324

16.6120, 9.3885,
26.1399

226.1266,
186.2504, 297.0954

10.0518, 4.9955,
16.7016

272.8234,
228.2072, 355.5427

5.4959, 2.2446,
9.8623

325.5433,

2.5788, 0.7441,

276.0345, 421.1929

5.2033

384.6517,
330.1168, 494.4645

■ 0.9351, 0.0000,
2.3062

■ 0.0000, 0.0000,
0.7347

■ 70.2019, 51.0707,
98.2531

■ 70.2019, 51.0707,
98.2531

■ 66.3471, 43.5506,
96.3837

■ 74.9511, 60.3784,
100.4243

■ 63.3260, 37.6975,
94.7939

■ 80.6437, 71.5723,
102.9116

■ 61.0758, 33.3854,
93.4633

■ 87.3290, 84.7507,
105.7321

■ 59.5232, 30.4678,
92.3676

95.0500, 100.0000,
108.9000

■ 58.5809, 28.7700,
91.4776

■ 58.1062, 28.0066,
90.7457

■ 58.1061, 28.0064,
90.7456

Harmonies

Analogous

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



59.7237, 51.0707, 135.1602



70.2019, 51.0707, 98.2531



74.8165, 51.0707, 58.5538

Triad

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



70.2019, 51.0707, 98.2531



49.5594, 51.0707, 12.7580



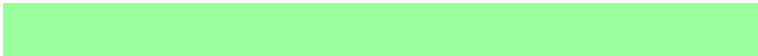
31.1109, 51.0707, 91.1030

Complementary

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



70.2019, 51.0707, 98.2531



54.8991, 80.6933, 44.1365

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.



29.2744, 51.0707, 52.7614



70.2019, 51.0707, 98.2531



38.8496, 51.0707, 15.6595

Square

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



70.2019, 51.0707, 98.2531



61.7573, 51.0707, 16.9370



31.8687, 51.0707, 27.5271



37.3594, 51.0707, 129.9923

Rectangle

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



70.2019, 51.0707, 98.2531



73.4684, 51.0707, 38.3713



31.8687, 51.0707, 27.5271



30.0060, 51.0707, 77.3583

Sweetspot

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



70.2030, 51.0727, 98.2541



85.9087, 81.9488, 105.1399



42.9033, 36.9438, 99.4774



18.1944, 17.1587, 22.4232



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.



70.2030, 51.0727, 98.2541



67.0487, 44.9161, 96.7343



63.3288, 48.3230, 62.0549



18.7682, 18.2906, 22.6627



30.3720, 14.6381, 47.4711



2.9642, 1.4281, 4.6589

Inverse Universe

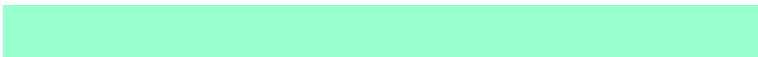
The Inverse Universe completely reimagines the original color for something new.



70.2030, 51.0727, 98.2541



67.0487, 44.9161, 96.7343



60.0024, 82.7347, 71.0103



18.7682, 18.2906, 22.6627



30.3720, 14.6381, 47.4711



2.9642, 1.4281, 4.6589

Previews

White Background



This preview shows how the XYZ color 70.2019, 51.0707, 98.2531 looks on a white background.

Color Contrast Check

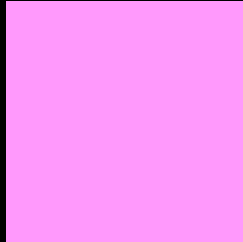
Large Text (above 18pt) WCAG AA × Fail

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 70.2019, 51.0707, 98.2531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

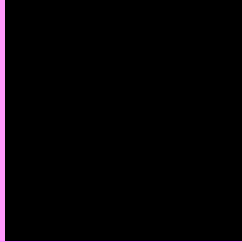
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.2019, 51.0707, 98.2531

Background



This preview shows how black text looks on a background with the XYZ color 70.2019, 51.0707, 98.2531.



This preview shows how white text looks on a background with the XYZ color 70.2019, 51.0707,

98.2531.

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

70.2019, 51.0707, 98.2531

Protanopia

52.3954, 51.6215, 101.8101

Deuteranopia

52.5536, 51.2366, 94.3086



Tritanopia

60.3492, 50.9343, 50.3666

Trichromacy



Original Color

70.2019, 51.0707, 98.2531



Protanomaly

57.0388, 50.0951, 100.4290



Deuteranomaly

57.5329, 50.1712, 95.4586



Tritanomaly

63.4266, 50.8391, 65.5015

Monochromacy



Original Color

70.2019, 51.0707, 98.2531



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

57.3312, 52.3521, 72.0490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2019, 51.0707, 98.2531 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(255, 153, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 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(255, 153, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 252) }
```

Border

The CSS property to change the border of an element to XYZ 70.2019, 51.0707, 98.2531 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(255, 153, 252) }
```


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

```
.border{ border-color:rgb(255, 153, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2019, 51.0707, 98.2531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 252) }
```

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

```
.background{ background-color: rgb(255,  
153, 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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