

Converting Colors

XYZ(70.5044, 51.2031, 99.8109)

Have a look what the booklet for
XYZ(70.5044, 51.2031, 99.8109)
contains.

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Color

**XYZ(70.5206, 51.1982,
99.9313)**

Conversions

Conversions Part 1

Format	Color
Hex	FF99FE
RGB	255, 153, 254
RGB Percent	100%, 60%, 100%
CMY	0.0000, 0.4000, 0.0039
CMYK	0.00, 0.40, 0.00, 0.00
HSL	301°, 100%, 80%
HSV	301°, 40%, 100%
XYZ	70.5206, 51.1982, 99.9313
YIQ	195.0120, 28.3710, 53.0350

Conversions

Conversions Part 2

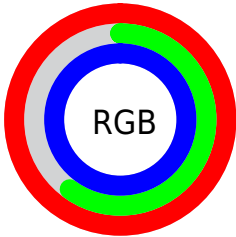
Format	Color
R _Y B	255, 153, 254
Decimal	16751102
CIE _{Lab}	76.80, 52.65, -34.36
CIE _{LCh}	77, 62.876, 326.871
Yxy	51.1982, 0.3182, 0.2310
Android (android.graphics.Color)	4294941182 (0xFFFF99FE)
YUV	195.0120, 29.0811, 52.6095
Hunter-Lab	71.5529, 50.7071, -32.7178

Details

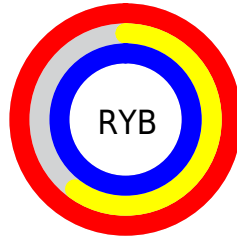
The XYZ color **70.5206, 51.1982, 99.9313** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.7311, 80.6261, 43.2518**, and the grayscale version is **51.7006, 54.3931, 59.2341**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **37.5658, 24.8252, 55.6351** is the 20% darker color. If you saturate the color by 10%, you get **66.7444, 43.7095, 98.4760**, and if you desaturate by 10%, it is **75.1908, 60.4743, 101.6862**.

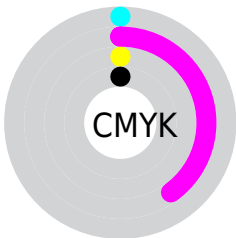
Distribution



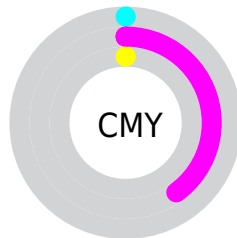
- Red (100%)
- Green (60%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.5206, 51.1982, 99.9313 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 70.5206, 51.1982, 99.9313 by changing the saturation by 10% instead.


 70.5206, 51.1982,
99.9313


 70.5206, 51.1982,
99.9313


451.6138,
391.3333, 581.2172

 52.2322, 36.3664,
75.6266

 118.9731, 91.9477,
163.1138

 37.4152, 24.7173,
55.6216


 149.8679,
118.6341, 202.8287

 25.7043, 15.8665,
39.4976


185.6955,
150.0409, 248.5174

 16.7341, 9.4298,
26.8363

226.8214,
186.5524, 300.5985

 10.1392, 5.0225,
17.2189

273.6107,
228.5529, 359.4905

 5.5543, 2.2605,
10.2271

326.4290,

 2.6141, 0.7527,

276.4270, 425.6119

5.4422

385.6416,
330.5590, 499.3813

■ 0.9531, 0.0000,
2.4458

■ 0.0000, 0.0000,
0.8112

■ 70.5206, 51.1982,
99.9313

■ 70.5206, 51.1982,
99.9313

■ 66.7444, 43.7095,
98.4760

■ 75.1908, 60.4743,
101.6862

■ 63.8015, 37.8877,
97.2980

■ 80.8039, 71.6363,
103.7550

■ 61.6291, 33.6067,
96.3772

■ 87.4093, 84.7829,
106.1549

■ 60.1540, 30.7201,
95.6890

95.0500, 100.0000,
108.9000

■ 59.2886, 29.0531,
95.2043

■ 58.8904, 28.3203,
94.8756

■ 58.8904, 28.3201,
94.8755

Harmonies

Analogous

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



59.7887, 51.1982, 137.3234



70.5206, 51.1982, 99.9313



75.3607, 51.1982, 59.4113

Triad

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



70.5206, 51.1982, 99.9313



49.9258, 51.1982, 12.5050



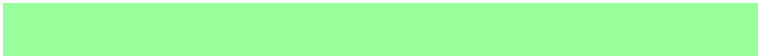
30.9283, 51.1982, 91.0391

Complementary

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



70.5206, 51.1982, 99.9313



54.7311, 80.6261, 43.2518

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.



29.1570, 51.1982, 52.2349



70.5206, 51.1982, 99.9313



39.0098, 51.1982, 15.2706

Square

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



70.5206, 51.1982, 99.9313



62.3124, 51.1982, 16.8344



31.8636, 51.1982, 26.9897



37.1672, 51.1982, 130.8831

Rectangle

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



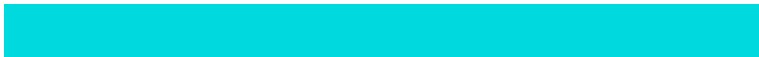
70.5206, 51.1982, 99.9313



74.0917, 51.1982, 38.7655



31.8636, 51.1982, 26.9897



29.8398, 51.1982, 77.0772

Sweetspot

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



70.5217, 51.2002, 99.9323



86.0051, 81.9873, 105.6471



42.5801, 36.7772, 99.4622



18.2173, 17.1678, 22.5435



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.



70.5217, 51.2002, 99.9323



67.4304, 45.0687, 98.7440



63.5316, 48.4041, 63.1230



18.7846, 18.2971, 22.7487



30.7750, 14.7993, 49.5932



2.9988, 1.4419, 4.8413

Inverse Universe

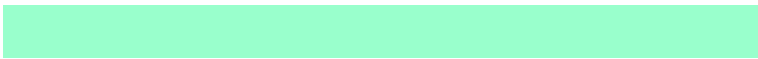
The Inverse Universe completely reimagines the original color for something new.



70.5217, 51.2002, 99.9323



67.4304, 45.0687, 98.7440



59.7974, 82.6526, 69.9305



18.7846, 18.2971, 22.7487



30.7750, 14.7993, 49.5932



2.9988, 1.4419, 4.8413

Previews

White Background



This preview shows how the XYZ color 70.5206, 51.1982, 99.9313 looks on a white background.

Color Contrast Check

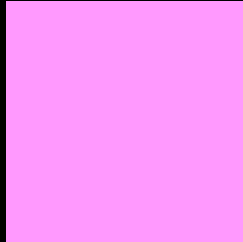
Large Text (above 18pt) WCAG AA × Fail

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 70.5206, 51.1982, 99.9313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

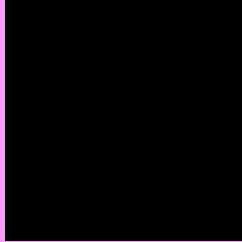
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.5206, 51.1982, 99.9313

Background



This preview shows how black text looks on a background with the XYZ color 70.5206, 51.1982, 99.9313.



This preview shows how white text looks on a background with the XYZ color 70.5206, 51.1982,

99.9313.

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

70.5206, 51.1982, 99.9313

Protanopia

52.6108, 51.7325, 101.8202

Deuteranopia

52.8451, 51.6651, 95.9941



Tritanopia

60.5345, 51.3050, 50.4284

Trichromacy



Original Color

70.5206, 51.1982, 99.9313



Protanomaly

57.4674, 50.2975, 101.2873



Deuteranomaly

57.7621, 50.5412, 97.1535

Tritanomaly

63.5493, 50.8882, 66.1475

Monochromacy



Original Color

70.5206, 51.1982, 99.9313



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 70.5206, 51.1982, 99.9313 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 254) }
```

Border

The CSS property to change the border of an element to XYZ 70.5206, 51.1982, 99.9313 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, 254) }
```


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

```
.border{ border-color:rgb(255, 153, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5206, 51.1982, 99.9313 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, 254) }
```

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

```
.background{ background-color: rgb(255,  
153, 254) }
```

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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