

Converting Colors

XYZ(70.9309, 53.9236,
101.2776)

Have a look what the booklet for
XYZ(70.9309, 53.9236, 101.2776)
contains.

XYZ(70.9309, 53.9236, 101.2776)	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(70.9309, 53.9236,
101.2776)**

Conversions

Conversions Part 1

Format	Color
Hex	FBA3FF
RGB	251, 163, 255
RGB Percent	98%, 64%, 100%
CMY	0.0157, 0.3608, 0.0000
CMYK	0.02, 0.36, 0.00, 0.00
HSL	297°, 100%, 82%
HSV	297°, 36%, 100%
XYZ	70.9309, 53.9236, 101.2776
YIQ	199.8000, 22.9160, 47.2680

Conversions

Conversions Part 2

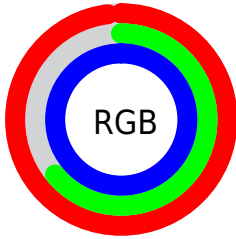
Format	Color
R _Y B	251, 163, 255
Decimal	16491519
CIE Lab	78.42, 46.56, -32.44
CIE LCh	78, 56.744, 325.129
Yxy	53.9236, 0.3137, 0.2385
Android (android.graphics.Color)	4294681599 (0xFFFBA3FF)
YUV	199.8000, 27.2136, 44.9024
Hunter-Lab	73.4327, 43.9114, -30.3693

Details

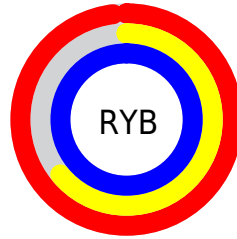
The XYZ color **70.9309, 53.9236, 101.2776** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **58.3084, 82.3804, 47.4807**, and the grayscale version is **54.6063, 57.4501, 62.5631**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **37.6540, 26.3520, 56.5279** is the 20% darker color. If you saturate the color by 10%, you get **66.4539, 45.5597, 99.8991**, and if you desaturate by 10%, it is **76.3262, 64.1188, 102.9611**.

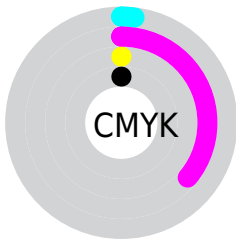
Distribution



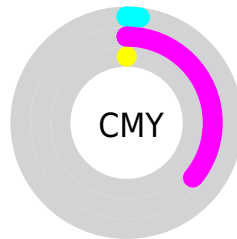
- Red (98%)
- Green (64%)
- Blue (100%)



- Red (98%)
- Yellow (64%)
- Blue (100%)



- Cyan (2%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9309, 53.9236, 101.2776 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 70.9309, 53.9236, 101.2776 by changing the saturation by 10% instead.


 70.9309, 53.9236,
101.2776


 70.9309, 53.9236,
101.2776


453.0274,
401.8186, 585.5627

 52.5681, 38.5406,
76.7451


 119.5544, 95.9621,
164.9790

 37.6842, 26.4025,
56.5334

 150.5458,
123.3863, 204.9849

 25.9138, 17.1250,
40.2239

186.4775,
155.5931, 250.9858

 16.8915, 10.3237,
27.3980

227.7148,
192.9667, 303.4001

 10.2520, 5.6141,
17.6373

274.6231,
235.8917, 362.6464

 5.6299, 2.6119,
10.5232

327.5678,

 2.6599, 0.9326,

284.7525, 429.1432

5.6371

386.9141,
339.9333, 503.3092

■ 0.9766, 0.0000,
2.5605

■ 0.0000, 0.0000,
0.8720

■ 70.9309, 53.9236,
101.2776

■ 70.9309, 53.9236,
101.2776

■ 66.4539, 45.5597,
99.8991

■ 76.3262, 64.1188,
102.9611

■ 62.8353, 38.9099,
98.8063

■ 82.6855, 76.2395,
104.9654

■ 60.0153, 33.8541,
97.9791

■ 90.0574, 90.3819,
107.3067

■ 57.9250, 30.2540,
97.3944

95.0500, 100.0000,
108.9000

■ 56.4832, 27.9475,
97.0252

■ 55.5893, 26.7334,
96.8379

■ 55.3297, 26.4384,
96.7947

Harmonies

Analogous

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



60.9067, 53.9236, 133.6894



70.9309, 53.9236, 101.2776



75.7192, 53.9236, 64.0827

Triad

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



70.9309, 53.9236, 101.2776



53.0947, 53.9236, 16.3245



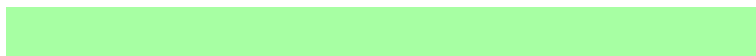
34.1902, 53.9236, 88.8375

Complementary

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



70.9309, 53.9236, 101.2776



58.3084, 82.3804, 47.4807

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.



32.7217, 53.9236, 53.6531



70.9309, 53.9236, 101.2776



42.6770, 53.9236, 18.8233

Square

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



70.9309, 53.9236, 101.2776



64.5129, 53.9236, 21.3724



35.5989, 53.9236, 30.1413



39.9468, 53.9236, 124.8679

Rectangle

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



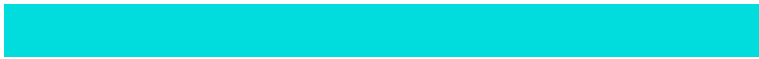
70.9309, 53.9236, 101.2776



74.8590, 53.9236, 44.1024



35.5989, 53.9236, 30.1413



33.2177, 53.9236, 76.2407

Sweetspot

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



70.9325, 53.9259, 101.2779



86.2983, 83.1603, 106.1109



47.0852, 42.8668, 100.4002



18.2593, 17.3930, 22.6448



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.



70.9325, 53.9259, 101.2779



67.7374, 47.9453, 100.2920



66.4250, 52.2911, 69.9447



18.7100, 18.2578, 22.7879



28.9453, 13.8323, 50.5789



2.8415, 1.3588, 4.9258

Inverse Universe

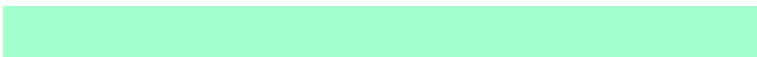
The Inverse Universe completely reimagines the original color for something new.



61.3135, 50.2465, 43.0279



56.9333, 43.8237, 34.3610



61.8129, 83.6861, 70.2756



18.0414, 17.9999, 18.8350



21.5943, 11.1270, 1.2483



2.1133, 1.0877, 0.1781

Previews

White Background



This preview shows how the XYZ color 70.9309, 53.9236, 101.2776 looks on a white background.

Color Contrast Check

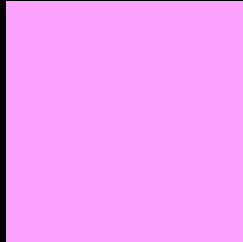
Large Text (above 18pt) WCAG AA × Fail

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 70.9309, 53.9236, 101.2776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

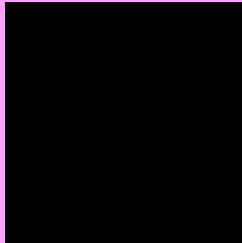
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.9309, 53.9236, 101.2776

Background



This preview shows how black text looks on a background with the XYZ color 70.9309, 53.9236, 101.2776.



This preview shows how white text looks on a background with the XYZ color 70.9309, 53.9236,

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

70.9309, 53.9236, 101.2776

Protanopia

54.8041, 54.1494, 102.1711

Deuteranopia

55.6533, 54.3541, 98.0006



Tritanopia

61.4375, 53.6456, 55.8317

Trichromacy



Original Color

70.9309, 53.9236, 101.2776



Protanomaly

59.2025, 52.9643, 101.7106



Deuteranomaly

60.1070, 53.4859, 99.2513

Tritanomaly

64.3567, 53.3933, 70.5323

Monochromacy



Original Color

70.9309, 53.9236, 101.2776



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

59.9020, 55.7680, 75.3173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9309, 53.9236, 101.2776 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(251, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 163, 255)  
}
```

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(251, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 163, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.9309, 53.9236, 101.2776 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(251, 163, 255) }
```


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

```
.border{ border-color:rgb(251, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 163,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9309, 53.9236, 101.2776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 163, 255) }
```

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

```
.background{ background-color: rgb(251,  
163, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor