

Converting Colors

XYZ(70.3212, 51.2060,
100.3698)

Have a look what the booklet for
XYZ(70.3212, 51.2060, 100.3698)
contains.

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Color

**XYZ(70.3143, 51.0733,
100.7599)**

Conversions

Conversions Part 1

Format	Color
Hex	FE99FF
RGB	254, 153, 255
RGB Percent	100%, 60%, 100%
CMY	0.0039, 0.4000, 0.0000
CMYK	0.00, 0.40, 0.00, 0.00
HSL	299°, 100%, 80%
HSV	299°, 40%, 100%
XYZ	70.3143, 51.0733, 100.7599
YIQ	194.8270, 27.4540, 53.1340

Conversions

Conversions Part 2

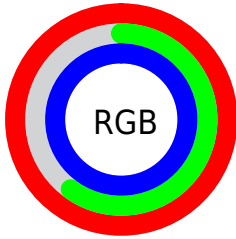
Format	Color
R_{YB}	254, 153, 255
Decimal	16685567
CIE _{Lab}	76.72, 52.54, -35.03
CIE _{LCh}	77, 63.145, 326.307
Yxy	51.0733, 0.3165, 0.2299
Android (android.graphics.Color)	4294875647 (0xFFFE99FF)
YUV	194.8270, 29.6653, 51.8947
Hunter-Lab	71.4656, 50.5597, -33.5675

Details

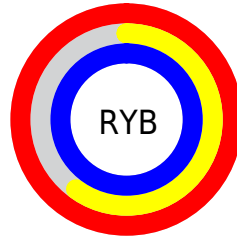
The XYZ color **70.3143, 51.0733, 100.7599** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.8374, 80.6905, 42.8241**, and the grayscale version is **51.5880, 54.2746, 59.1050**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **37.4198, 24.7367, 56.2285** is the 20% darker color. If you saturate the color by 10%, you get **66.4873, 43.5538, 99.5102**, and if you desaturate by 10%, it is **75.0363, 60.3807, 102.3075**.

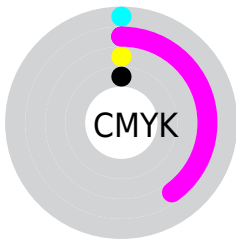
Distribution



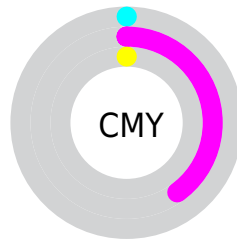
- Red (100%)
- Green (60%)
- Blue (100%)



- 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 70.3143, 51.0733, 100.7599 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 70.3143, 51.0733, 100.7599 by changing the saturation by 10% instead.


 70.3143, 51.0733,
100.7599

 70.3143, 51.0733,
100.7599


450.9020,
390.8485, 583.8937

 52.0633, 36.2669,
76.3149

 118.6807, 91.7631,
164.2620

 37.2800, 24.6404,
56.1826

 149.5268,
118.4154, 204.1563

 25.5990, 15.8094,
39.9443


185.3020,
149.7850, 250.0373

 16.6550, 9.3894,
27.1817


226.3717,
186.2565, 302.3237

 10.0826, 4.9960,
17.4761

273.1012,
228.2142, 361.4340

 5.5165, 2.2449,
10.4090

325.8558,

 2.5912, 0.7443,

276.0425, 427.7867

5.5618

385.0010,
330.1258, 501.8005

■ 0.9415, 0.0000,
2.5161

■ 0.0000, 0.0000,
0.8487

■ 70.3143, 51.0733,
100.7599

■ 70.3143, 51.0733,
100.7599

■ 66.4873, 43.5538,
99.5102

■ 75.0363, 60.3807,
102.3075

■ 63.4932, 37.7010,
98.5383

■ 80.7008, 71.5739,
104.1695

■ 61.2696, 33.3890,
97.8232

■ 87.3577, 84.7516,
106.3622

■ 59.7433, 30.4714,
97.3405

95.0500, 100.0000,
108.9000

■ 58.8270, 28.7736,
97.0611

■ 58.3778, 28.0098,
96.9373

■ 58.3777, 28.0097,
96.9373

Harmonies

Analogous

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



59.4714, 51.0733, 138.0652



70.3143, 51.0733, 100.7599



75.3151, 51.0733, 59.9633

Triad

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



70.3143, 51.0733, 100.7599



50.0408, 51.0733, 12.3657



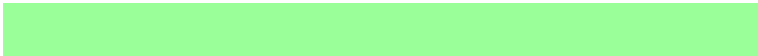
30.7012, 51.0733, 90.2242

Complementary

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



70.3143, 51.0733, 100.7599



54.8374, 80.6905, 42.8241

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.



29.0125, 51.0733, 51.4729



70.3143, 51.0733, 100.7599



39.0439, 51.0733, 14.9864

Square

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



70.3143, 51.0733, 100.7599



62.4590, 51.0733, 16.8278



31.8061, 51.0733, 26.4799



36.8657, 51.0733, 130.4285

Rectangle

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



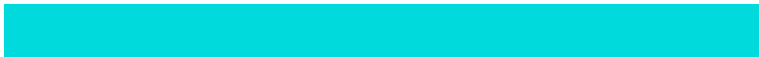
70.3143, 51.0733, 100.7599



74.1447, 51.0733, 39.0838



31.8061, 51.0733, 26.4799



29.6398, 51.0733, 76.2405

Sweetspot

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



70.3159, 51.0755, 100.7602



85.9432, 81.9498, 105.8959



42.8604, 37.3377, 99.5557



18.2026, 17.1589, 22.6026



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.



70.3159, 51.0755, 100.7602



67.1835, 44.9192, 99.7371



63.7367, 48.4861, 64.2029



18.7741, 18.2908, 22.7909



30.5117, 14.6398, 50.6522



2.9763, 1.4282, 4.9321

Inverse Universe

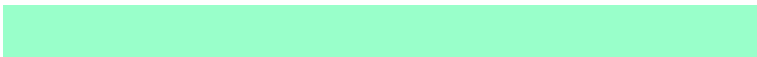
The Inverse Universe completely reimagines the original color for something new.



58.4652, 46.3776, 36.4439



53.8619, 39.6413, 27.2932



59.5945, 82.5715, 68.8623



18.0166, 17.9900, 18.7047



21.5590, 11.1129, 1.0625



2.1015, 1.0830, 0.1162

Previews

White Background



This preview shows how the XYZ color 70.3143, 51.0733, 100.7599 looks on a white background.

Color Contrast Check

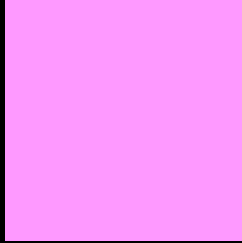
Large Text (above 18pt) WCAG AA × Fail

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 70.3143, 51.0733, 100.7599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

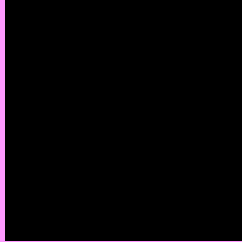
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.3143, 51.0733, 100.7599

Background



This preview shows how black text looks on a background with the XYZ color 70.3143, 51.0733, 100.7599.



This preview shows how white text looks on a background with the XYZ color 70.3143, 51.0733,

100.7599.

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

70.3143, 51.0733, 100.7599

Protanopia

52.3954, 51.6215, 101.8101

Deuteranopia

52.7737, 51.6103, 96.8028



Tritanopia

59.9397, 50.9864, 50.9382

Trichromacy



Original Color

70.3143, 51.0733, 100.7599



Protanomaly

57.1994, 50.1593, 101.2747



Deuteranomaly

57.6444, 50.4623, 97.9688

Tritanomaly

63.3172, 50.7543, 66.7810

Monochromacy



Original Color

70.3143, 51.0733, 100.7599



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

57.1645, 52.2512, 72.7182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3143, 51.0733, 100.7599 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(254, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(254, 153, 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(254, 153, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 70.3143, 51.0733, 100.7599 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(254, 153, 255) }
```


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

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

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

Here you see how a box with a 4 pixel `rgb(254, 153, 255)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 70.3143, 51.0733, 100.7599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 153, 255) }
```

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

```
.background{ background-color: rgb(254,  
153, 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](#).

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