

Converting Colors

XYZ(71.6387, 52.2839, 96.5944)

Have a look what the booklet for
XYZ(71.6387, 52.2839, 96.5944)
contains.

XYZ(70.2167, 51.6048, 96.7024)	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(70.2167, 51.6048,
96.7024)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9BFA
RGB	255, 155, 250
RGB Percent	100%, 61%, 98%
CMY	0.0000, 0.3921, 0.0196
CMYK	0.00, 0.39, 0.02, 0.00
HSL	303°, 100%, 80%
HSV	303°, 39%, 100%
XYZ	70.2167, 51.6048, 96.7024
YIQ	195.7300, 29.1050, 50.7450

Conversions

Conversions Part 2

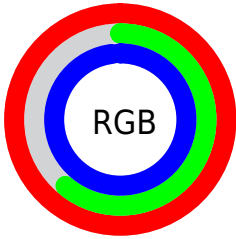
Format	Color
R _Y B	255, 155, 250
Decimal	16751610
CIE Lab	77.04, 50.95, -31.82
CIE LCh	77, 60.070, 328.009
Yxy	51.6048, 0.3213, 0.2362
Android (android.graphics.Color)	4294941690 (0xFFFF9BFA)
YUV	195.7300, 26.7551, 51.9798
Hunter-Lab	71.8365, 48.7613, -29.5275

Details

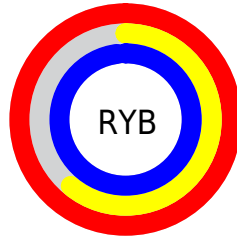
The XYZ color **70.2167, 51.6048, 96.7024** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.6243, 81.0274, 45.9681**, and the grayscale version is **52.1416, 54.8570, 59.7393**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **37.3053, 25.0279, 53.3167** is the 20% darker color. If you saturate the color by 10%, you get **66.2132, 43.9166, 94.3856**, and if you desaturate by 10%, it is **75.1196, 61.0895, 99.3271**.

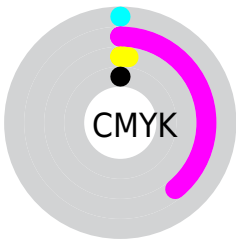
Distribution



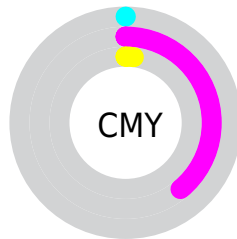
- Red (100%)
- Green (61%)
- Blue (98%)



- Red (100%)
- Yellow (61%)
- Blue (98%)



- Cyan (0%)
- Magenta (39%)
- Yellow (2%)
- Black (0%)





- Cyan (0%)
- Magenta (39%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.2167, 51.6048, 96.7024 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 70.2167, 51.6048, 96.7024 by changing the saturation by 10% instead.


 70.2167, 51.6048,
96.7024


 70.2167, 51.6048,
96.7024


450.5651,
392.9090, 570.7238

 51.9835, 36.6902,
72.9480

 118.5423, 92.5481,
158.6302

 37.2161, 24.9677,
53.4419


 149.3654,
119.3456, 197.6407

 25.5493, 16.0530,
37.7655


185.1158,
150.8729, 242.5736

 16.6177, 9.5617,
25.5003


226.1589,
187.5143, 293.8475

 10.0559, 5.1093,
16.2278

272.8600,
229.6542, 351.8809

 5.4986, 2.3115,
9.5294

325.5845,

 2.5804, 0.7798,

277.6770, 417.0924

4.9866

384.6977,
331.9671, 489.9005

■ 0.9360, 0.0000,
2.1808

■ 0.0000, 0.0000,
0.6632

■ 70.2167, 51.6048,
96.7024

■ 70.2167, 51.6048,
96.7024

■ 66.2132, 43.9166,
94.3856

■ 75.1196, 61.0895,
99.3271

■ 63.0491, 37.9051,
92.3546

■ 80.9708, 72.4686,
102.2738

■ 60.6621, 33.4456,
90.5892

■ 87.8191, 85.8399,
105.5596

■ 58.9798, 30.3933,
89.0653

95.0500, 100.0000,
108.9000

■ 57.9161, 28.5763,
87.7543

■ 57.3417, 27.7355,
86.6130

■ 57.3048, 27.6859,
86.5263

Harmonies

Analogous

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



60.1440, 51.6048, 132.3704



70.2167, 51.6048, 96.7024



74.5372, 51.6048, 58.4108

Triad

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



70.2167, 51.6048, 96.7024



49.8186, 51.6048, 13.7688



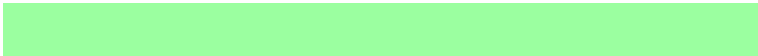
32.0500, 51.6048, 91.3487

Complementary

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



70.2167, 51.6048, 96.7024



55.6243, 81.0274, 45.9681

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.



30.1549, 51.6048, 54.0240



70.2167, 51.6048, 96.7024



39.4097, 51.6048, 16.8543

Square

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



70.2167, 51.6048, 96.7024



61.6764, 51.6048, 17.8563



32.6302, 51.6048, 28.9435



38.2743, 51.6048, 128.5251

Rectangle

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



70.2167, 51.6048, 96.7024



73.1364, 51.6048, 38.8463



32.6302, 51.6048, 28.9435



30.9325, 51.6048, 78.0497

Sweetspot

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



70.2178, 51.6068, 96.7035



85.8079, 81.9084, 104.6091



43.9396, 37.9681, 99.6205



18.1705, 17.1491, 22.2973



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.



70.2178, 51.6068, 96.7035



67.0251, 45.4699, 94.8732



63.5839, 48.9532, 61.7700



18.7511, 18.2838, 22.5726



29.9601, 14.4733, 45.3020



2.9287, 1.4139, 4.4719

Inverse Universe

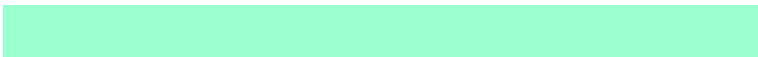
The Inverse Universe completely reimagines the original color for something new.



70.2178, 51.6068, 96.7035



67.0251, 45.4699, 94.8732



60.7052, 83.0598, 72.7241



18.7511, 18.2838, 22.5726



29.9601, 14.4733, 45.3020



2.9287, 1.4139, 4.4719

Previews

White Background



This preview shows how the XYZ color 70.2167, 51.6048, 96.7024 looks on a white background.

Color Contrast Check

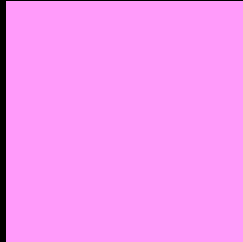
Large Text (above 18pt) WCAG AA × Fail

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 70.2167, 51.6048, 96.7024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

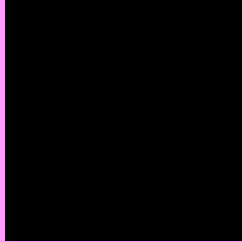
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.2167, 51.6048, 96.7024

Background



This preview shows how black text looks on a background with the XYZ color 70.2167, 51.6048, 96.7024.



This preview shows how white text looks on a background with the XYZ color 70.2167, 51.6048,

96.7024.

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

70.2167, 51.6048, 96.7024

Protanopia

52.8278, 51.8444, 101.8304

Deuteranopia

53.1555, 51.8961, 92.8033



Tritanopia

60.6375, 51.3462, 50.9708

Trichromacy



Original Color

70.2167, 51.6048, 96.7024



Protanomaly

57.6121, 50.6991, 99.6779



Deuteranomaly

57.9769, 50.7237, 93.9237



Tritanomaly

63.6049, 51.1956, 65.5609

Monochromacy



Original Color

70.2167, 51.6048, 96.7024



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

57.5338, 52.7573, 72.1166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2167, 51.6048, 96.7024 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, 155, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 250)  
}
```

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, 155, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 250) }
```

Border

The CSS property to change the border of an element to XYZ 70.2167, 51.6048, 96.7024 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, 155, 250) }
```


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

```
.border{ border-color:rgb(255, 155, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 155, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2167, 51.6048, 96.7024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 250) }
```

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

```
.background{ background-color: rgb(255,  
155, 250) }
```

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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