

Converting Colors

XYZ(67.5410, 51.2923, 95.8315)

Have a look what the booklet for
XYZ(67.5410, 51.2923, 95.8315)
contains.

XYZ(67.5031, 51.2287, 95.9529)	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(67.5031, 51.2287,
95.9529)**

Conversions

Conversions Part 1

Format	Color
Hex	F69FF9
RGB	246, 159, 249
RGB Percent	96%, 62%, 98%
CMY	0.0353, 0.3764, 0.0235
CMYK	0.01, 0.36, 0.00, 0.02
HSL	298°, 88%, 80%
HSV	298°, 36%, 98%
XYZ	67.5031, 51.2287, 95.9529
YIQ	195.2730, 22.9620, 46.4340

Conversions

Conversions Part 2

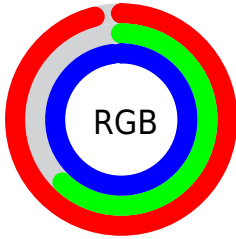
Format	Color
R _Y B	246, 159, 249
Decimal	16162809
CIE Lab	76.82, 46.02, -31.72
CIE LCh	77, 55.895, 325.428
Yxy	51.2287, 0.3144, 0.2386
Android (android.graphics.Color)	4294352889 (0xFFFF69FF9)
YUV	195.2730, 26.4874, 44.4876
Hunter-Lab	71.5742, 43.0921, -29.3826

Details

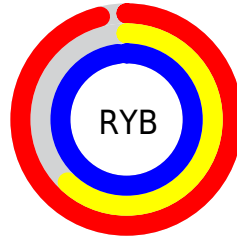
The XYZ color **67.5031, 51.2287, 95.9529** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.0357, 77.9372, 44.9461**, and the grayscale version is **51.8734, 54.5749, 59.4321**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **35.3050, 24.6003, 52.7567** is the 20% darker color. If you saturate the color by 10%, you get **63.3549, 43.3624, 94.6539**, and if you desaturate by 10%, it is **72.5183, 60.8250, 97.5416**.

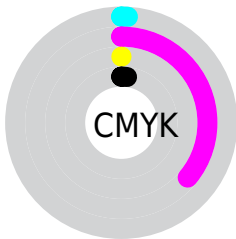
Distribution



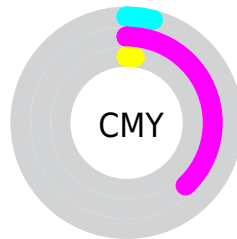
- Red (96%)
- Green (62%)
- Blue (98%)



- Red (96%)
- Yellow (62%)
- Blue (98%)



- Cyan (1%)
- Magenta (36%)
- Yellow (0%)
- Black (2%)





- Cyan (4%)
- Magenta (38%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.5031, 51.2287, 95.9529 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 67.5031, 51.2287, 95.9529 by changing the saturation by 10% instead.

 67.5031, 51.2287,
95.9529


 67.5031, 51.2287,
95.9529


441.1378,
391.4517, 568.2732

 49.7658, 36.3906,
72.3271

 114.6868, 91.9927,
157.5873

 35.4444, 24.7361,
52.9374


 144.8640,
118.6875, 196.4330

 24.1735, 15.8805,
37.3654


179.9184,
150.1033, 241.1890

 15.5878, 9.4396,
25.1926

220.2155,
186.6246, 292.2739

 9.3219, 5.0290,
16.0003

266.1207,
228.6356, 350.1062

 5.0105, 2.2643,
9.3700

317.9992,

 2.2883, 0.7547,

276.5209, 415.1045

4.8832

376.2165,
330.6648, 487.6873

■ 0.7887, 0.0000,
2.1213

■ 0.0000, 0.0000,
0.6284

■ 67.5031, 51.2287,
95.9529

■ 67.5031, 51.2287,
95.9529

■ 63.3549, 43.3624,
94.6539

■ 72.5183, 60.8250,
97.5416

■ 60.0167, 37.1151,
93.6240

■ 78.4433, 72.2399,
99.4326

■ 57.4323, 32.3737,
92.8451

■ 85.3240, 85.5643,
101.6418

■ 55.5365, 29.0076,
92.2952

■ 92.0405, 98.5584,
103.7959

54.2530, 26.8639,
91.9491

92.3375, 98.7115,
103.8098

53.4867, 25.7529,
91.7751

92.6357, 98.8653,
103.8238

53.2732, 25.4881,
91.7352

92.9353, 99.0197,
103.8378

93.2362, 99.1748,
103.8519

93.5384, 99.3306,
103.8660

Harmonies

Analogous

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



57.9903, 51.2287, 126.9670



67.5031, 51.2287, 95.9529



71.9994, 51.2287, 60.5695

Triad

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



67.5031, 51.2287, 95.9529



50.3364, 51.2287, 15.4483



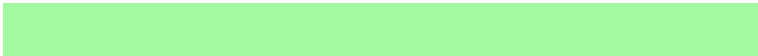
32.4879, 51.2287, 84.8271

Complementary

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



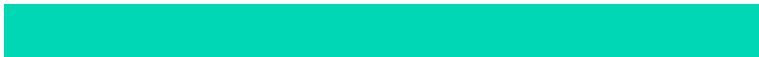
67.5031, 51.2287, 95.9529



55.0357, 77.9372, 44.9461

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.



31.0496, 51.2287, 51.2487



67.5031, 51.2287, 95.9529



40.4437, 51.2287, 17.8937

Square

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



67.5031, 51.2287, 95.9529



61.2143, 51.2287, 20.1671



33.7460, 51.2287, 28.7526



38.0046, 51.2287, 119.0742

Rectangle

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



67.5031, 51.2287, 95.9529



71.1327, 51.2287, 41.6308



33.7460, 51.2287, 28.7526



31.5490, 51.2287, 72.8173

Sweetspot

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



67.5048, 51.2310, 95.9540



86.4023, 83.2140, 106.1157



44.3195, 40.0537, 95.0186



18.2843, 17.4059, 22.6459



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.



67.5048, 51.2310, 95.9540



68.1373, 48.1514, 100.3107



62.7292, 49.4433, 65.2708



17.9325, 17.4933, 21.8167



28.5415, 13.6563, 49.1052



2.6609, 1.2738, 4.5488

Inverse Universe

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



57.9884, 47.5469, 40.3058



56.8441, 43.7880, 33.8915



58.7182, 79.3407, 67.4800



17.2681, 17.2346, 18.0013



20.9464, 10.7943, 1.1601



1.9480, 1.0029, 0.1495

Previews

White Background



This preview shows how the XYZ color 67.5031, 51.2287, 95.9529 looks on a white background.

Color Contrast Check

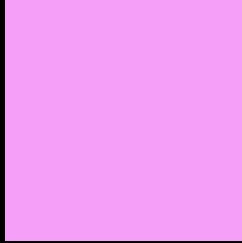
Large Text (above 18pt) WCAG AA × Fail

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 67.5031, 51.2287, 95.9529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

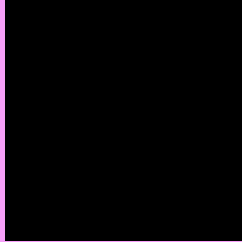
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.5031, 51.2287, 95.9529

Background



This preview shows how black text looks on a background with the XYZ color 67.5031, 51.2287, 95.9529.



This preview shows how white text looks on a background with the XYZ color 67.5031, 51.2287,

95.9529.

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

67.5031, 51.2287, 95.9529

Protanopia

52.6108, 51.7325, 101.8202

Deuteranopia

52.9218, 51.7756, 92.7924



Tritanopia

58.7694, 51.1850, 52.6811

Trichromacy



Original Color

67.5031, 51.2287, 95.9529



Protanomaly

56.7405, 50.5419, 99.6935



Deuteranomaly

57.2585, 50.9355, 94.0025



Tritanomaly

61.4795, 50.8923, 66.2574

Monochromacy



Original Color

67.5031, 51.2287, 95.9529



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

56.7252, 52.6583, 71.4643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5031, 51.2287, 95.9529 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(246, 159, 249)` looks like.

```
.text, #text, p{  
    color:rgb(246, 159, 249)  
}
```

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(246, 159, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 159, 249) }
```

Border

The CSS property to change the border of an element to XYZ 67.5031, 51.2287, 95.9529 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(246, 159, 249) }
```


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

```
.border{ border-color:rgb(246, 159, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 159, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 159, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 159, 249);  
box-shadow:4px 4px 4px 4px rgb(246, 159,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5031, 51.2287, 95.9529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 159, 249) }
```

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

```
.background{ background-color: rgb(246,  
159, 249) }
```

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