

Converting Colors

XYZ(65.8947, 47.4318,
100.1839)

Have a look what the booklet for
XYZ(65.8947, 47.4318, 100.1839)
contains.

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Color

**XYZ(65.7919, 47.3205,
100.2739)**

Conversions

Conversions Part 1

Format	Color
Hex	F493FF
RGB	244, 147, 255
RGB Percent	96%, 58%, 100%
CMY	0.0431, 0.4235, 0.0000
CMYK	0.04, 0.42, 0.00, 0.00
HSL	294°, 100%, 79%
HSV	294°, 42%, 100%
XYZ	65.7919, 47.3205, 100.2739
YIQ	188.3150, 23.1440, 54.1520

Conversions

Conversions Part 2

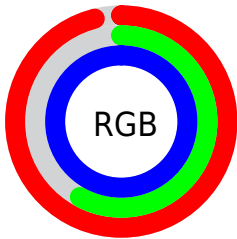
Format	Color
R_{YB}	244, 147, 255
Decimal	16028671
CIE _{Lab}	74.39, 52.67, -38.73
CIE _{LCh}	74, 65.375, 323.669
Yxy	47.3205, 0.3083, 0.2218
Android (android.graphics.Color)	4294218751 (0xFFFF493FF)
YUV	188.3150, 32.8757, 48.8357
Hunter-Lab	68.7899, 50.3383, -38.2731

Details

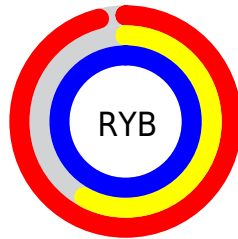
The XYZ color **65.7919, 47.3205, 100.2739** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.1281, 80.8962, 40.3149**, and the grayscale version is **47.7901, 50.2789, 54.7537**.

A 20% lighter version of the original color is **80.6459, 71.1919, 104.0986**, and **34.3571, 22.3450, 55.9283** is the 20% darker color. If you saturate the color by 10%, you get **61.3629, 39.7900, 99.0538**, and if you desaturate by 10%, it is **71.1153, 56.6190, 101.7881**.

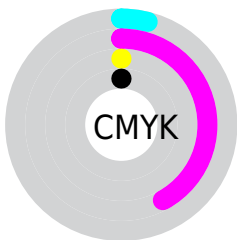
Distribution



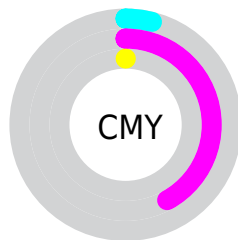
- Red (96%)
- Green (58%)
- Blue (100%)



- Red (96%)
- Yellow (58%)
- Blue (100%)



- Cyan (4%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.7919, 47.3205, 100.2739 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 65.7919, 47.3205, 100.2739 by changing the saturation by 10% instead.


 65.7919, 47.3205,
100.2739


 65.7919, 47.3205,
100.2739


435.1327,
376.0924, 582.3246

 48.3706, 33.2891,
75.9111

 112.2470, 86.1918,
163.5887

 34.3329, 22.3480,
55.8534


 142.0115,
111.8005, 203.3778

 23.3136, 14.1128,
39.6822


176.6210,
142.0372, 249.1461

 14.9472, 8.1992,
26.9790

216.4410,
177.2860, 301.3122

 8.8684, 4.2227,
17.3251

261.8368,
217.9316, 360.2945

 4.7119, 1.7989,
10.3022

313.1738,

 2.1122, 0.4865,

264.3583, 426.5117

5.4915

370.8173,
316.9504, 500.3822

■ 0.6958, 0.0000,
2.4747

■ 0.0000, 0.0000,
0.8267

■ 65.7919, 47.3205,
100.2739

■ 65.7919, 47.3205,
100.2739

■ 61.3629, 39.7900,
99.0538

■ 71.1153, 56.6190,
101.7881

■ 57.7651, 33.9040,
98.1073

■ 77.3820, 67.7863,
103.6133

■ 54.9341, 29.5328,
97.4128

■ 84.6427, 80.9225,
105.7662

■ 52.7937, 26.5243,
96.9449

■ 92.9431, 96.1191,
108.2619

■ 51.2520, 24.6948,
96.6730

95.0500, 100.0000,
108.9000

■ 50.3729, 23.8831,
96.5627

Harmonies

Analogous

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



54.6915, 47.3205, 136.6437



65.7919, 47.3205, 100.2739



71.4393, 47.3205, 59.0092

Triad

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



65.7919, 47.3205, 100.2739



47.5196, 47.3205, 10.2144



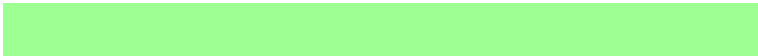
27.2648, 47.3205, 82.1832

Complementary

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



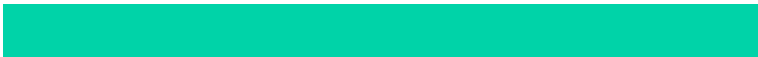
65.7919, 47.3205, 100.2739



55.1281, 80.8962, 40.3149

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.



26.0190, 47.3205, 44.7001



65.7919, 47.3205, 100.2739



36.4863, 47.3205, 12.0328

Square

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



65.7919, 47.3205, 100.2739



59.7669, 47.3205, 14.9528



29.0923, 47.3205, 21.8663



32.8531, 47.3205, 123.3982

Rectangle

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



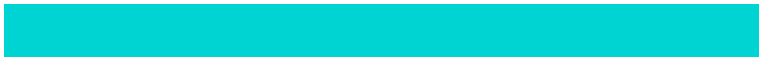
65.7919, 47.3205, 100.2739



70.7565, 47.3205, 37.6702



29.0923, 47.3205, 21.8663



26.3699, 47.3205, 68.4155

Sweetspot

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



65.7934, 47.3225, 100.2742



84.1403, 80.0082, 105.6162



42.5860, 38.4283, 99.7806



17.6508, 16.4735, 22.4993



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.



65.7934, 47.3225, 100.2742



61.9114, 40.7086, 99.2022



63.7614, 46.9638, 69.0565



18.5996, 18.2009, 22.7828



26.3950, 12.5176, 50.4596



2.6204, 1.2448, 4.9154

Inverse Universe

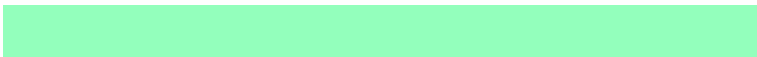
The Inverse Universe completely reimagines the original color for something new.



57.8464, 44.5978, 37.9088



53.1688, 37.7552, 28.6038



56.9142, 81.3718, 60.5118



18.0845, 18.0171, 19.0623



21.6704, 11.1575, 1.6491



2.1337, 1.0959, 0.2855

Previews

White Background



This preview shows how the XYZ color 65.7919, 47.3205, 100.2739 looks on a white background.

Color Contrast Check

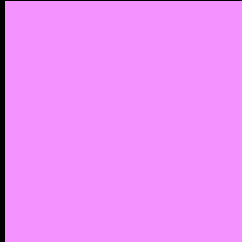
Large Text (above 18pt) WCAG AA × Fail

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 65.7919, 47.3205, 100.2739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

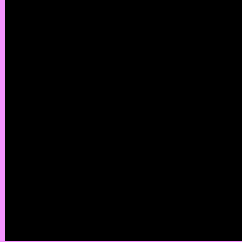
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.7919, 47.3205, 100.2739

Background



This preview shows how black text looks on a background with the XYZ color 65.7919, 47.3205, 100.2739.



This preview shows how white text looks on a background with the XYZ color 65.7919, 47.3205,

100.2739.

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

65.7919, 47.3205, 100.2739

Protanopia

49.0711, 47.7413, 101.2364

Deuteranopia

48.9326, 47.7798, 96.2659



Tritanopia

54.8155, 47.0489, 47.7872

Trichromacy



Original Color

65.7919, 47.3205, 100.2739



Protanomaly

53.7238, 46.6723, 100.7848



Deuteranomaly

53.5929, 46.6784, 97.4520

Tritanomaly

58.1714, 46.8660, 63.7377

Monochromacy



Original Color

65.7919, 47.3205, 100.2739



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

52.8397, 48.0505, 68.7771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7919, 47.3205, 100.2739 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(244, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 147, 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(244, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 147, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.7919, 47.3205, 100.2739 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(244, 147, 255) }
```


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

```
.border{ border-color:rgb(244, 147, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 147,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7919, 47.3205, 100.2739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 147, 255) }
```

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

```
.background{ background-color: rgb(244,  
147, 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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