

Converting Colors

XYZ(64.9870, 47.6637, 90.5970)

Have a look what the booklet for
XYZ(64.9870, 47.6637, 90.5970)
contains.

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Color

**XYZ(64.9311, 47.5588,
90.5515)**

Conversions

Conversions Part 1

Format	Color
Hex	F695F3
RGB	246, 149, 243
RGB Percent	96%, 58%, 95%
CMY	0.0353, 0.4157, 0.0471
CMYK	0.00, 0.39, 0.01, 0.04
HSL	302°, 84%, 77%
HSV	302°, 39%, 96%
XYZ	64.9311, 47.5588, 90.5515
YIQ	188.7190, 27.6380, 49.7980

Conversions

Conversions Part 2

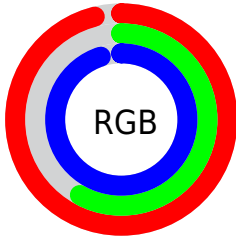
Format	Color
R _Y B	246, 149, 243
Decimal	16160243
CIE _{Lab}	74.55, 50.08, -31.97
CIE _{LCh}	75, 59.410, 327.448
Yxy	47.5588, 0.3198, 0.2342
Android (android.graphics.Color)	4294350323 (0xFFFF695F3)
YUV	188.7190, 26.7605, 50.2354
Hunter-Lab	68.9629, 47.3793, -29.5765

Details

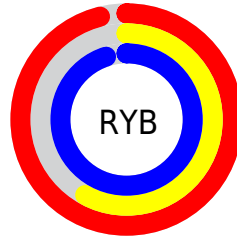
The XYZ color **64.9311, 47.5588, 90.5515** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.0197, 74.5697, 41.4129**, and the grayscale version is **48.0518, 50.5543, 55.0536**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **33.8009, 22.4636, 49.5681** is the 20% darker color. If you saturate the color by 10%, you get **61.3282, 40.5355, 88.7851**, and if you desaturate by 10%, it is **69.3595, 56.2303, 92.5963**.

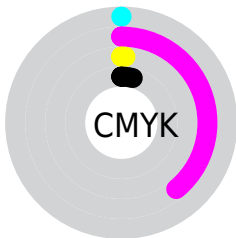
Distribution



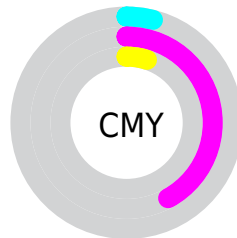
- Red (96%)
- Green (58%)
- Blue (95%)



- Red (96%)
- Yellow (58%)
- Blue (95%)



- Cyan (0%)
- Magenta (39%)
- Yellow (1%)
- Black (4%)





- Cyan (4%)
- Magenta (42%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.9311, 47.5588, 90.5515 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 64.9311, 47.5588, 90.5515 by changing the saturation by 10% instead.


 64.9311, 47.5588,
90.5515


 64.9311, 47.5588,
90.5515


432.0935,
377.0406, 550.4396

 47.6697, 33.4776,
67.8619


 111.0171, 86.5471,
150.0464

 33.7756, 22.4926,
49.3194


 140.5723,
112.2231, 187.6888

 22.8833, 14.2193,
34.5055


174.9563,
142.5328, 231.1525

 14.6276, 8.2733,
23.0017

214.5342,
177.8605, 280.8560

 8.6430, 4.2704,
14.3895

259.6716,
218.5908, 337.2179

 4.5643, 1.8259,
8.2502

310.7337,

 2.0261, 0.5032,

265.1080, 400.6568

4.1654

368.0858,
317.7965, 471.5912

■ 0.6485, 0.0000,
1.7165

■ 0.0000, 0.0000,
0.3720

■ 64.9311, 47.5588,
90.5515

■ 64.9311, 47.5588,
90.5515

■ 61.3282, 40.5355,
88.7851

■ 69.3595, 56.2303,
92.5963

■ 58.4939, 35.0497,
87.2768

■ 74.6564, 66.6390,
94.9325

■ 56.3716, 30.9872,
86.0082

■ 80.8673, 78.8749,
97.5758

■ 54.8949, 28.2151,
84.9572

■ 88.0331, 93.0200,
100.5397

■ 53.9850, 26.5757,
84.0973

■ 90.5251, 97.8165,
101.9480

■ 53.5184, 25.8222,
83.3876

■ 90.6427, 97.8635,
102.5672

■ 53.4967, 25.7892,
83.3489

■ 90.7607, 97.9108,
103.1889

■ 90.8793, 97.9582,
103.8132

■ 90.9983, 98.0058,
104.4400

Harmonies

Analogous

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



55.4016, 47.5588, 123.9601



64.9311, 47.5588, 90.5515



69.1205, 47.5588, 54.4606

Triad

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



64.9311, 47.5588, 90.5515



46.1286, 47.5588, 12.3309



29.2474, 47.5588, 84.0938

Complementary

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



64.9311, 47.5588, 90.5515



51.0197, 74.5697, 41.4129

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.



27.5580, 47.5588, 49.1955



64.9311, 47.5588, 90.5515



36.3401, 47.5588, 15.0427

Square

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



64.9311, 47.5588, 90.5515



57.2449, 47.5588, 16.2271



29.9404, 47.5588, 26.0424



34.9810, 47.5588, 119.3091

Rectangle

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



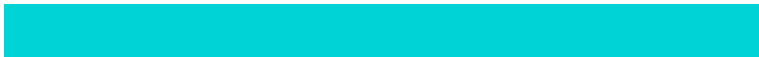
64.9311, 47.5588, 90.5515



67.8944, 47.5588, 36.0028



29.9404, 47.5588, 26.0424



28.2316, 47.5588, 71.6094

Sweetspot

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



64.9327, 47.5609, 90.5525



85.9012, 81.9458, 105.1004



40.0756, 34.6939, 91.7743



18.1927, 17.1579, 22.4138



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.



64.9327, 47.5609, 90.5525



67.3836, 45.6133, 96.7614



58.7058, 45.0702, 57.7624



17.1902, 16.7589, 20.7481



28.5643, 13.7692, 44.5416



2.5174, 1.2129, 3.9509

Inverse Universe

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



64.9327, 47.5609, 90.5525



67.3836, 45.6133, 96.7614



55.6744, 76.4316, 65.9244



17.1902, 16.7589, 20.7481



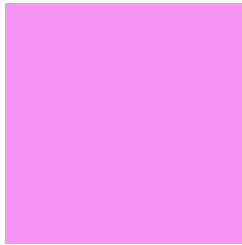
28.5643, 13.7692, 44.5416



2.5174, 1.2129, 3.9509

Previews

White Background



This preview shows how the XYZ color 64.9311, 47.5588, 90.5515 looks on a white background.

Color Contrast Check

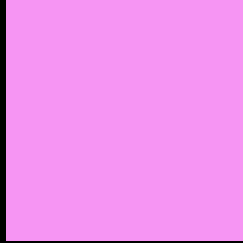
Large Text (above 18pt) WCAG AA × Fail

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 64.9311, 47.5588, 90.5515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

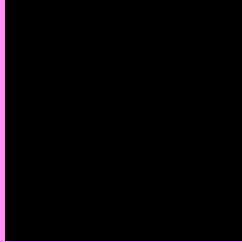
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.9311, 47.5588, 90.5515

Background



This preview shows how black text looks on a background with the XYZ color 64.9311, 47.5588, 90.5515.



This preview shows how white text looks on a background with the XYZ color 64.9311, 47.5588,

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

64.9311, 47.5588, 90.5515

Protanopia

49.2718, 47.8448, 101.2458

Deuteranopia

49.0435, 48.0464, 86.8098



Tritanopia

55.8587, 47.3335, 47.2665

Trichromacy



Original Color

64.9311, 47.5588, 90.5515



Protanomaly

53.3388, 46.5474, 97.4401



Deuteranomaly

53.5874, 46.8873, 87.8871



Tritanomaly

58.5874, 47.1491, 60.6564

Monochromacy



Original Color

64.9311, 47.5588, 90.5515



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

53.2230, 48.5772, 66.8928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9311, 47.5588, 90.5515 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, 149, 243)` looks like.

```
.text, #text, p{  
    color:rgb(246, 149, 243)  
}
```

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, 149, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 149, 243) }
```

Border

The CSS property to change the border of an element to XYZ 64.9311, 47.5588, 90.5515 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, 149, 243) }
```


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

```
.border{ border-color:rgb(246, 149, 243) }
```

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

Here you see how a box with a 4 pixel rgb(246, 149, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 149, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 149, 243);  
box-shadow:4px 4px 4px 4px rgb(246, 149,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9311, 47.5588, 90.5515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 149, 243) }
```

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

```
.background{ background-color: rgb(246,  
149, 243) }
```

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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