

Converting Colors

XYZ(103.2420, 61.8081,
69.1727)

Have a look what the booklet for
XYZ(103.2420, 61.8081, 69.1727)
contains.

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Color

**XYZ(59.9667, 39.4970,
67.4139)**

Conversions

Conversions Part 1

Format	Color
Hex	FF78D5
RGB	255, 120, 213
RGB Percent	100%, 47%, 84%
CMY	0.0000, 0.5294, 0.1647
CMYK	0.00, 0.53, 0.16, 0.00
HSL	319°, 100%, 74%
HSV	319°, 53%, 100%
XYZ	59.9667, 39.4970, 67.4139
YIQ	170.9670, 50.6070, 57.5430

Conversions

Conversions Part 2

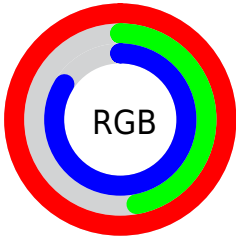
Format	Color
R_{YB}	255, 120, 213
Decimal	16742613
CIE _{Lab}	69.11, 61.99, -23.72
CIE _{LCh}	69, 66.370, 339.059
Yxy	39.4970, 0.3593, 0.2367
Android (android.graphics.Color)	4294932693 (0xFFFF78D5)
YUV	170.9670, 20.7223, 73.6969
Hunter-Lab	62.8466, 60.3386, -19.6061

Details

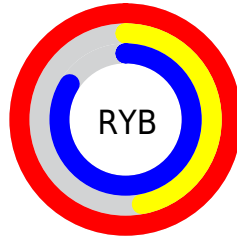
The XYZ color **59.9667, 39.4970, 67.4139** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **50.0288, 78.1224, 46.6277**, and the grayscale version is **38.5749, 40.5837, 44.1957**.

A 20% lighter version of the original color is **75.0121, 59.9243, 102.2207**, and **30.4547, 17.6257, 34.1447** is the 20% darker color. If you saturate the color by 10%, you get **56.3155, 33.7669, 61.3496**, and if you desaturate by 10%, it is **64.4854, 46.8830, 74.0113**.

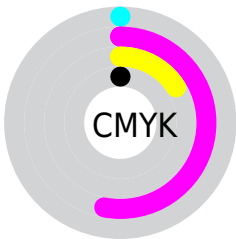
Distribution



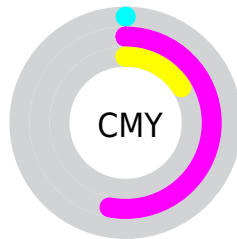
- Red (100%)
- Green (47%)
- Blue (84%)



- Red (100%)
- Yellow (47%)
- Blue (84%)



- Cyan (0%)
- Magenta (53%)
- Yellow (16%)
- Black (0%)




- Cyan (0%)
- Magenta (53%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9667, 39.4970, 67.4139 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 59.9667, 39.4970, 67.4139 by changing the saturation by 10% instead.


 59.9667, 39.4970,
67.4139


 59.9667, 39.4970,
67.4139

414.3117,
343.9989, 469.9582


 43.6412, 27.1466,
48.9574

 103.8880, 74.3970,
117.1596

 30.5852, 17.6833,
34.2203

 132.2144, 97.7153,
149.2858

 20.4335, 10.7229,
22.7842


 165.2719,
125.4584, 186.8056

 12.8206, 5.8808,
14.2304

203.4257,
158.0106, 230.1376

 7.3813, 2.7727,
8.1405

247.0412,
195.7564, 279.7003

 3.7501, 1.0143,
4.0959

296.4838,

 1.5618, 0.0000,

239.0801, 335.9123

1.6781

352.1189,
288.3661, 399.1921

■ 0.3673, 0.0000,
0.3457

■ 0.0000, 0.0000,
0.0000

■ 59.9667, 39.4970,
67.4139

■ 59.9667, 39.4970,
67.4139

■ 56.3155, 33.7669,
61.3496

■ 64.4854, 46.8830,
74.0113

■ 53.4619, 29.5544,
55.7904

■ 69.9286, 56.0382,
81.1629

■ 51.3295, 26.7077,
50.7077

■ 76.3515, 67.0718,
88.8908

■ 49.8243, 25.0400,
46.0666

■ 83.8041, 80.0826,
97.2149

■ 49.0433, 24.3813,
43.0214

■ 92.3329, 95.1628,
106.1539

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



51.8990, 39.4970, 106.0926



59.9667, 39.4970, 67.4139



61.4707, 39.4970, 34.4561

Triad

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



59.9667, 39.4970, 67.4139



34.4230, 39.4970, 7.2866



23.8380, 39.4970, 91.2504

Complementary

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



59.9667, 39.4970, 67.4139



50.0288, 78.1224, 46.6277

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.



20.8004, 39.4970, 52.8636



59.9667, 39.4970, 67.4139



26.1098, 39.4970, 11.7450

Square

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



59.9667, 39.4970, 67.4139



45.3038, 39.4970, 8.2863



21.5455, 39.4970, 25.3397



30.7193, 39.4970, 123.7677

Rectangle

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



59.9667, 39.4970, 67.4139



58.3161, 39.4970, 20.4330



21.5455, 39.4970, 25.3397



22.3985, 39.4970, 78.0312

Sweetspot

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



59.9676, 39.4987, 67.4147



81.4103, 75.8837, 94.6020



39.3657, 28.1803, 97.9723



17.0926, 15.6610, 19.8795



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.



59.9676, 39.4987, 67.4147



55.9759, 33.2501, 60.7360



53.2242, 36.8014, 31.9042



18.5380, 18.1985, 21.4500



25.6964, 12.7679, 22.8496



2.5512, 1.2628, 2.4839

Inverse Universe

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



59.9676, 39.4987, 67.4147



55.9759, 33.2501, 60.7360



57.5105, 81.1151, 86.0255



18.5380, 18.1985, 21.4500



25.6964, 12.7679, 22.8496



2.5512, 1.2628, 2.4839

Previews

White Background



This preview shows how the XYZ color 59.9667, 39.4970, 67.4139 looks on a white background.

Color Contrast Check

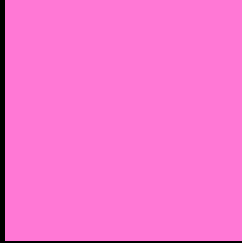
Large Text (above 18pt) WCAG AA × Fail

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 59.9667, 39.4970, 67.4139 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 59.9667, 39.4970, 67.4139

Background



This preview shows how black text looks on a background with the XYZ color 59.9667, 39.4970, 67.4139.



This preview shows how white text looks on a background with the XYZ color 59.9667, 39.4970,

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

59.9667, 39.4970, 67.4139

Protanopia

41.7348, 39.8005, 94.2895

Deuteranopia

40.4109, 39.5335, 63.2585



Tritanopia

52.4862, 39.3287, 31.6129

Trichromacy



Original Color

59.9667, 39.4970, 67.4139



Protanomaly

45.2713, 37.5603, 83.4611



Deuteranomaly

45.6858, 38.1911, 64.6382



Tritanomaly

55.0220, 39.3768, 42.7307

Monochromacy



Original Color

59.9667, 39.4970, 67.4139



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

44.4483, 38.5582, 51.5542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9667, 39.4970, 67.4139 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, 120, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 213)  
}
```

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, 120, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 213) }
```

Border

The CSS property to change the border of an element to XYZ 59.9667, 39.4970, 67.4139 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, 120, 213) }
```


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

```
.border{ border-color:rgb(255, 120, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 120, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9667, 39.4970, 67.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 213) }
```

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

```
.background{ background-color: rgb(255,  
120, 213) }
```

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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