

Converting Colors

XYZ(69.4720, 57.2021, 88.5825)

Have a look what the booklet for
XYZ(69.4720, 57.2021, 88.5825)
contains.

XYZ(69.3157, 56.9979, 88.2373)	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(69.3157, 56.9979,
88.2373)**

Conversions

Conversions Part 1

Format	Color
Hex	F7B0EE
RGB	247, 176, 238
RGB Percent	97%, 69%, 93%
CMY	0.0314, 0.3098, 0.0667
CMYK	0.00, 0.29, 0.04, 0.03
HSL	308°, 82%, 83%
HSV	308°, 29%, 97%
XYZ	69.3157, 56.9979, 88.2373
YIQ	204.2970, 22.4140, 34.3340

Conversions

Conversions Part 2

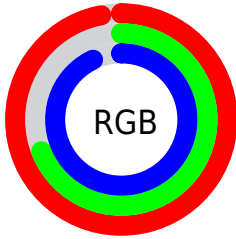
Format	Color
R _Y B	247, 176, 238
Decimal	16232686
CIE Lab	80.18, 35.50, -20.64
CIE LCh	80, 41.059, 329.824
Yxy	56.9979, 0.3231, 0.2657
Android (android.graphics.Color)	4294422766 (0xFFFF7B0EE)
YUV	204.2970, 16.6156, 37.4505
Hunter-Lab	75.4970, 31.7658, -16.4475

Details

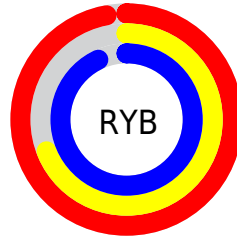
The XYZ color **69.3157, 56.9979, 88.2373** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **59.9245, 79.2561, 58.0418**, and the grayscale version is **57.4721, 60.4651, 65.8465**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **36.6382, 28.2436, 47.7765** is the 20% darker color. If you saturate the color by 10%, you get **64.4507, 47.9968, 84.3661**, and if you desaturate by 10%, it is **75.0733, 67.7695, 92.4468**.

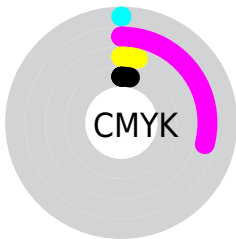
Distribution



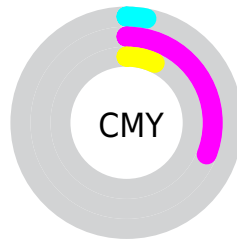
- Red (97%)
- Green (69%)
- Blue (93%)



- Red (97%)
- Yellow (69%)
- Blue (93%)



- Cyan (0%)
- Magenta (29%)
- Yellow (4%)
- Black (3%)





- Cyan (3%)
- Magenta (31%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.3157, 56.9979, 88.2373 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 69.3157, 56.9979, 88.2373 by changing the saturation by 10% instead.


 69.3157, 56.9979,
88.2373

 69.3157, 56.9979,
88.2373


447.4476,
413.4414, 542.7015

 51.2464, 41.0036,
65.9542


 117.2640,
100.4621, 146.8015

 36.6266, 28.3219,
47.7789


147.8737,
128.7008, 183.9197

 25.0909, 18.5684,
33.2931


183.3943,
161.7897, 226.8199

 16.2739, 11.3589,
22.0781

224.1911,
200.1132, 275.9208

 9.8102, 6.3087,
13.7155

270.6295,
244.0558, 331.6409

 5.3346, 3.0337,
7.7865

323.0748,

 2.4817, 1.1494,

294.0017, 394.3986

3.8729

381.8924,
350.3355, 464.6127

■ 0.8860, 0.0198,
1.5559

■ 0.0000, 0.0000,
0.2590

■ 69.3157, 56.9979,
88.2373

■ 69.3157, 56.9979,
88.2373

■ 64.4507, 47.9968,
84.3661

■ 75.0733, 67.7695,
92.4468

■ 60.4251, 40.6628,
80.8133

■ 81.7625, 80.3923,
97.0059

■ 57.1884, 34.8938,
77.5626

■ 89.4263, 94.9514,
101.9297

■ 54.6821, 30.5732,
74.5943

■ 91.4562, 98.2296,
105.0156

■ 52.8400, 27.5681,
71.8860

■ 91.9528, 98.4282,
107.6307

■ 51.5832, 25.7214,
69.4113

■ 92.1682, 98.5144,
108.7651

■ 50.7972, 24.8039,
67.1318

■ 50.7127, 24.7162,
66.8527

Harmonies

Analogous

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



62.5811, 56.9979, 111.2619



69.3157, 56.9979, 88.2373



71.9184, 56.9979, 62.2027

Triad

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



69.3157, 56.9979, 88.2373



54.2243, 56.9979, 26.4336



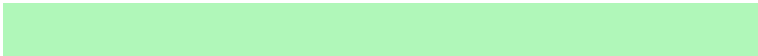
41.3755, 56.9979, 87.9275

Complementary

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



69.3157, 56.9979, 88.2373



59.9245, 79.2561, 58.0418

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.



39.6197, 56.9979, 61.9195



69.3157, 56.9979, 88.2373



46.5571, 56.9979, 30.0427

Square

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



69.3157, 56.9979, 88.2373



62.6755, 56.9979, 30.1301



41.4168, 56.9979, 41.6529



46.4797, 56.9979, 111.0531

Rectangle

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



69.3157, 56.9979, 88.2373



70.7724, 56.9979, 47.7031



41.4168, 56.9979, 41.6529



40.3990, 56.9979, 79.0446

Sweetspot

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



69.3175, 57.0004, 88.2385



87.6957, 86.0354, 104.1552



52.1515, 47.9944, 94.5119



18.5333, 17.9662, 22.1358



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.



69.3175, 57.0004, 88.2385



71.6286, 55.9084, 92.6112



64.6905, 55.1496, 63.8733



17.1179, 16.7300, 20.3674



26.8569, 13.0862, 35.5504



2.3852, 1.1601, 3.2551

Inverse Universe

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



69.3175, 57.0004, 88.2385



71.6286, 55.9084, 92.6112



64.0569, 80.9091, 79.8027



17.1179, 16.7300, 20.3674



26.8569, 13.0862, 35.5504



2.3852, 1.1601, 3.2551

Previews

White Background



This preview shows how the XYZ color 69.3157, 56.9979, 88.2373 looks on a white background.

Color Contrast Check

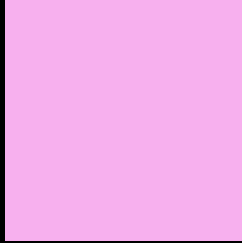
Large Text (above 18pt) WCAG AA × Fail

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 69.3157, 56.9979, 88.2373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

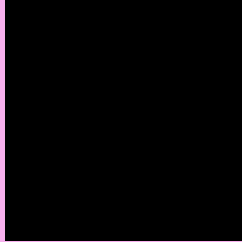
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.3157, 56.9979, 88.2373

Background



This preview shows how black text looks on a background with the XYZ color 69.3157, 56.9979, 88.2373.



This preview shows how white text looks on a background with the XYZ color 69.3157, 56.9979,

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

69.3157, 56.9979, 88.2373

Protanopia

57.7035, 57.3386, 100.9547

Deuteranopia

58.3746, 56.9992, 86.5225



Tritanopia

63.9515, 57.2354, 61.1030

Trichromacy



Original Color

69.3157, 56.9979, 88.2373



Protanomaly

61.1533, 56.5824, 96.5053



Deuteranomaly

61.8241, 56.5022, 87.0044



Tritanomaly

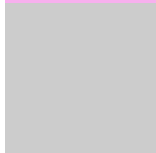
65.8423, 57.0849, 70.4990

Monochromacy



Original Color

69.3157, 56.9979, 88.2373



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

61.2017, 58.7571, 73.0813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.3157, 56.9979, 88.2373 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(247, 176, 238)` looks like.

```
.text, #text, p{  
    color:rgb(247, 176, 238)  
}
```

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(247, 176, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 176, 238) }
```

Border

The CSS property to change the border of an element to XYZ 69.3157, 56.9979, 88.2373 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(247, 176, 238) }
```


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

```
.border{ border-color:rgb(247, 176, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 176, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 176, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 176, 238); box-shadow:4px 4px 4px 4px rgb(247, 176, 238) }
```

Background

The CSS property to change the background color of an element to XYZ 69.3157, 56.9979, 88.2373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 176, 238) }
```

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

```
.background{ background-color: rgb(247,  
176, 238) }
```

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