

Converting Colors

XYZ(77.0628, 49.9510, 47.4631)

Have a look what the booklet for
XYZ(77.0628, 49.9510, 47.4631)
contains.

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Color

**XYZ(56.7367, 39.3961,
46.7333)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7EB2
RGB	255, 126, 178
RGB Percent	100%, 49%, 70%
CMY	0.0000, 0.5059, 0.3020
CMYK	0.00, 0.51, 0.30, 0.00
HSL	336°, 100%, 75%
HSV	336°, 51%, 100%
XYZ	56.7367, 39.3961, 46.7333
YIQ	170.4990, 60.1920, 43.5200

Conversions

Conversions Part 2

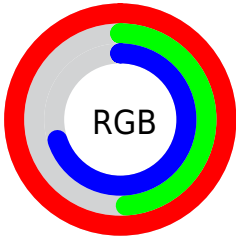
Format	Color
R_{YB}	255, 126, 178
Decimal	16744114
CIE _{Lab}	69.04, 54.46, -4.25
CIE _{LCh}	69, 54.622, 355.540
Yxy	39.3961, 0.3971, 0.2758
Android (android.graphics.Color)	4294934194 (0xFFFF7EB2)
YUV	170.4990, 3.6980, 74.1074
Hunter-Lab	62.7663, 51.5114, -0.2086

Details

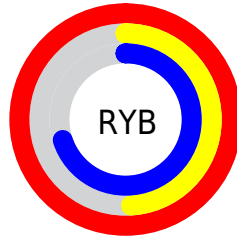
The XYZ color **56.7367, 39.3961, 46.7333** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **55.1456, 80.2683, 69.0911**, and the grayscale version is **38.4199, 40.4208, 44.0182**.

A 20% lighter version of the original color is **72.8192, 60.6564, 85.7118**, and **28.4606, 17.5892, 21.2971** is the 20% darker color. If you saturate the color by 10%, you get **52.4371, 33.1085, 38.1735**, and if you desaturate by 10%, it is **62.0390, 47.4172, 56.4649**.

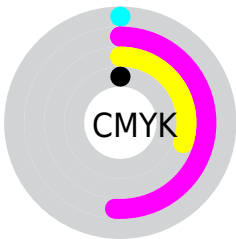
Distribution



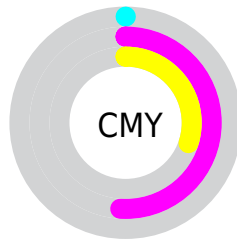
- Red (100%)
- Green (49%)
- Blue (70%)



- Red (100%)
- Yellow (49%)
- Blue (70%)



- Cyan (0%)
- Magenta (51%)
- Yellow (30%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7367, 39.3961, 46.7333 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 56.7367, 39.3961, 46.7333 by changing the saturation by 10% instead.

 56.7367, 39.3961,
46.7333


 56.7367, 39.3961,
46.7333


402.4921,
343.5716, 390.1119

 41.0332, 27.0680,
32.4720

 99.2145, 74.2430,
86.6612

 28.5328, 17.6243,
21.4545

 126.7195, 97.5307,
113.1649

 18.8702, 10.6806,
13.2622


 158.8890,
125.2403, 144.5865

 11.6800, 5.8525,
7.4765

196.0884,
157.7562, 181.3445

 6.5968, 2.7556,
3.6789

238.6831,
195.4630, 223.8576

 3.2553, 1.0055,
1.4509

287.0383,

 1.2902, 0.0000,

238.7448, 272.5441

0.1809

341.5196,
287.9862, 327.8227

■ 0.1758, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7367, 39.3961,
46.7333

■ 56.7367, 39.3961,
46.7333

■ 52.4371, 33.1085,
38.1735

■ 62.0390, 47.4172,
56.4649

■ 49.0669, 28.4173,
30.7326

■ 68.4036, 57.2833,
67.4129

■ 46.5475, 25.1745,
24.3562

■ 75.8891, 69.1034,
79.6221

■ 44.7844, 23.2006,
18.9825

■ 84.5489, 82.9764,
93.1341

■ 43.6773, 22.2349,
14.7647

94.4327, 98.9943,
107.9883

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.



53.0128, 39.3961, 76.1440



56.7367, 39.3961, 46.7333



54.6713, 39.3961, 25.3681

Triad

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



56.7367, 39.3961, 46.7333



30.6813, 39.3961, 12.5494



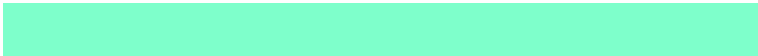
28.7488, 39.3961, 95.8112

Complementary

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



56.7367, 39.3961, 46.7333



55.1456, 80.2683, 69.0911

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.



24.2802, 39.3961, 67.0631



56.7367, 39.3961, 46.7333



25.2687, 39.3961, 21.0847

Square

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



56.7367, 39.3961, 46.7333



38.7619, 39.3961, 10.6533



23.1120, 39.3961, 39.2741



36.1579, 39.3961, 110.6444

Rectangle

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



56.7367, 39.3961, 46.7333



50.4364, 39.3961, 16.9696



23.1120, 39.3961, 39.2741



26.9009, 39.3961, 87.0193

Sweetspot

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



56.7378, 39.3981, 46.7340



80.5778, 76.5926, 87.0057



49.6674, 34.5963, 98.6677



16.8588, 15.7726, 18.0160



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.



56.7378, 39.3981, 46.7340



52.2793, 32.8831, 37.8429



53.9176, 40.5889, 24.7339



18.3128, 18.1084, 20.2641



22.8914, 11.6459, 8.0787



2.2812, 1.1549, 1.0622

Inverse Universe

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



56.7378, 39.3981, 46.7340



52.2793, 32.8831, 37.8429



59.0815, 76.5085, 106.2614



18.3128, 18.1084, 20.2641



22.8914, 11.6459, 8.0787



2.2812, 1.1549, 1.0622

Previews

White Background



This preview shows how the XYZ color 56.7367, 39.3961, 46.7333 looks on a white background.

Color Contrast Check

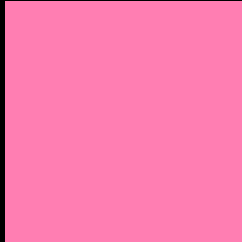
Large Text (above 18pt) WCAG AA × Fail

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 56.7367, 39.3961, 46.7333 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 56.7367, 39.3961, 46.7333

Background



This preview shows how black text looks on a background with the XYZ color 56.7367, 39.3961, 46.7333.



This preview shows how white text looks on a background with the XYZ color 56.7367, 39.3961,

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

56.7367, 39.3961, 46.7333

Protanopia

39.4157, 39.5741, 62.6879

Deuteranopia

40.4890, 39.7198, 44.5624



Tritanopia

53.4149, 39.4235, 30.3854

Trichromacy



Original Color

56.7367, 39.3961, 46.7333



Protanomaly

43.5842, 37.9987, 56.6671



Deuteranomaly

45.1247, 38.5703, 45.1109



Tritanomaly

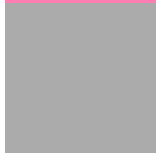
54.4070, 39.2145, 35.7119

Monochromacy



Original Color

56.7367, 39.3961, 46.7333



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

43.7184, 39.0552, 45.2786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7367, 39.3961, 46.7333 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, 126, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 178)  
}
```

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, 126, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 178) }
```

Border

The CSS property to change the border of an element to XYZ 56.7367, 39.3961, 46.7333 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, 126, 178) }
```


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

```
.border{ border-color:rgb(255, 126, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 126, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 126, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 126, 178); box-shadow:4px 4px 4px 4px rgb(255, 126, 178) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7367, 39.3961, 46.7333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 178) }
```

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

```
.background{ background-color: rgb(255,  
126, 178) }
```

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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