

Converting Colors

XYZ(57.7433, 35.9817, 77.8902)

Have a look what the booklet for
XYZ(57.7433, 35.9817, 77.8902)
contains.

XYZ(57.7583, 35.9467, 78.0229)	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(57.7583, 35.9467,
78.0229)**

Conversions

Conversions Part 1

Format	Color
Hex	F76BE5
RGB	247, 107, 229
RGB Percent	97%, 42%, 90%
CMY	0.0314, 0.5804, 0.1020
CMYK	0.00, 0.57, 0.07, 0.03
HSL	308°, 90%, 69%
HSV	308°, 57%, 97%
XYZ	57.7583, 35.9467, 78.0229
YIQ	162.7680, 44.2780, 67.6220

Conversions

Conversions Part 2

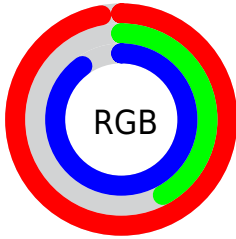
Format	Color
R _Y B	247, 107, 229
Decimal	16215013
CIE Lab	66.48, 67.99, -36.77
CIE LCh	66, 77.298, 331.599
Yxy	35.9467, 0.3363, 0.2093
Android (android.graphics.Color)	4294405093 (0xFFFF76BE5)
YUV	162.7680, 32.6524, 73.8715
Hunter-Lab	59.9556, 67.0360, -35.1879

Details

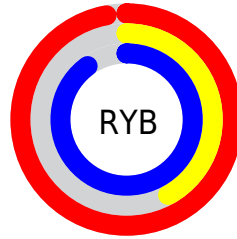
The XYZ color **57.7583, 35.9467, 78.0229** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **43.0275, 71.1293, 30.8661**, and the grayscale version is **34.5413, 36.3402, 39.5744**.

A 20% lighter version of the original color is **72.5655, 55.0309, 101.4052**, and **29.2589, 15.6625, 41.0162** is the 20% darker color. If you saturate the color by 10%, you get **55.1021, 31.3367, 74.9698**, and if you desaturate by 10%, it is **61.1604, 42.0338, 81.3653**.

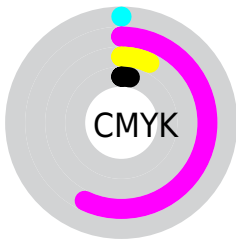
Distribution



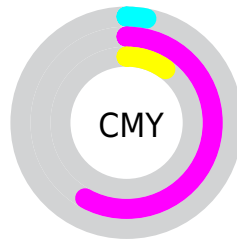
- Red (97%)
- Green (42%)
- Blue (90%)



- Red (97%)
- Yellow (42%)
- Blue (90%)



- Cyan (0%)
- Magenta (57%)
- Yellow (7%)
- Black (3%)



- Cyan (3%)
- Magenta (58%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.7583, 35.9467, 78.0229 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 57.7583, 35.9467, 78.0229 by changing the saturation by 10% instead.


 57.7583, 35.9467,
78.0229


 57.7583, 35.9467,
78.0229


406.2531,
328.7275, 507.7746


 41.8569, 24.3930,
57.5762

 100.6958, 68.9498,
132.3686


 29.1799, 15.6254,
41.0556


 128.4626, 91.1680,
167.1046

 19.3619, 9.2595,
28.0425


 160.9152,
117.7099, 207.4409

 12.0376, 4.9108,
18.1184

 198.4190,
148.9597, 253.7960

 6.8417, 2.1950,
10.8647

241.3393,
185.3021, 306.5883

 3.4087, 0.7173,
5.8629

290.0415,

 1.3734, 0.0000,

227.1212, 366.2365

2.6945

344.8910,
274.8016, 433.1591

■ 0.2372, 0.0000,
0.9406

■ 0.0000, 0.0000,
0.0000

■ 57.7583, 35.9467,
78.0229

■ 57.7583, 35.9467,
78.0229

■ 55.1021, 31.3367,
74.9698

■ 61.1604, 42.0338,
81.3653

■ 53.1234, 28.0697,
72.1820


■ 65.3615, 49.7067,
85.0140


■ 51.7480, 25.9963,
69.6349


■ 70.4143, 59.0699,
88.9870


■ 50.8803, 24.9257,
67.2965


■ 76.3658, 70.2174,
93.3002


 50.6550, 24.6931,
66.5492

 83.2596, 83.2362,
97.9684

 91.0702, 98.0752,
102.9833

 91.5674, 98.2741,
105.6016

 92.0730, 98.4763,
108.2641

 92.1682, 98.5144,
108.7651

Harmonies

Analogous

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



47.2243, 35.9467, 122.5548



57.7583, 35.9467, 78.0229



61.6362, 35.9467, 37.3857

Triad

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



57.7583, 35.9467, 78.0229



33.5481, 35.9467, 3.7269



18.4827, 35.9467, 83.0118

Complementary

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



57.7583, 35.9467, 78.0229



43.0275, 71.1293, 30.8661

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.



16.3800, 35.9467, 40.9480



57.7583, 35.9467, 78.0229



23.7688, 35.9467, 6.0618

Square

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



57.7583, 35.9467, 78.0229



45.9004, 35.9467, 5.5625



18.0729, 35.9467, 15.9543



24.6246, 35.9467, 126.4064

Rectangle

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



57.7583, 35.9467, 78.0229



59.3587, 35.9467, 20.0327



18.0729, 35.9467, 15.9543



17.3518, 35.9467, 67.6492

Sweetspot

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



57.7595, 35.9484, 78.0236



81.8615, 75.0383, 100.1406



30.2641, 21.4684, 90.5453



17.2305, 15.5141, 21.2286



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.



57.7595, 35.9484, 78.0236



58.8929, 33.1007, 80.1544



50.0207, 32.8528, 37.2713



17.1165, 16.7295, 20.3603



26.8269, 13.0742, 35.3922



2.3829, 1.1591, 3.2427

Inverse Universe

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



57.7595, 35.9484, 78.0236



58.8929, 33.1007, 80.1544



48.9886, 73.5138, 62.2568



17.1165, 16.7295, 20.3603



26.8269, 13.0742, 35.3922



2.3829, 1.1591, 3.2427

Previews

White Background



This preview shows how the XYZ color 57.7583, 35.9467, 78.0229 looks on a white background.

Color Contrast Check

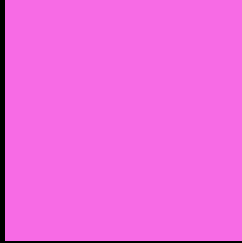
Large Text (above 18pt) WCAG AA × Fail

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 57.7583, 35.9467, 78.0229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

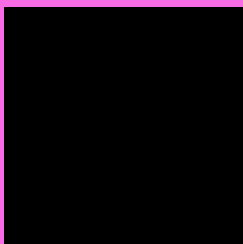
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.7583, 35.9467, 78.0229

Background



This preview shows how black text looks on a background with the XYZ color 57.7583, 35.9467, 78.0229.



This preview shows how white text looks on a background with the XYZ color 57.7583, 35.9467,

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

57.7583, 35.9467, 78.0229

Protanopia

38.9056, 36.3762, 99.5785

Deuteranopia

37.1661, 36.3287, 72.7634



Tritanopia

47.5679, 35.8339, 28.8356

Trichromacy



Original Color

57.7583, 35.9467, 78.0229



Protanomaly

42.3748, 33.8450, 91.4881



Deuteranomaly

42.1356, 34.3225, 74.2162



Tritanomaly

50.6816, 35.5984, 43.2297

Monochromacy



Original Color

57.7583, 35.9467, 78.0229



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

41.0402, 34.7021, 51.5488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.7583, 35.9467, 78.0229 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, 107, 229)` looks like.

```
.text, #text, p{  
    color:rgb(247, 107, 229)  
}
```

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, 107, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 107, 229) }
```

Border

The CSS property to change the border of an element to XYZ 57.7583, 35.9467, 78.0229 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, 107, 229) }
```


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

```
.border{ border-color:rgb(247, 107, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 107, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 107, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 107, 229);  
box-shadow:4px 4px 4px 4px rgb(247, 107,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 57.7583, 35.9467, 78.0229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 107, 229) }
```

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

```
.background{ background-color: rgb(247,  
107, 229) }
```

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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