

Converting Colors

XYZ(61.1861, 36.8406, 83.5281)

Have a look what the booklet for
XYZ(61.1861, 36.8406, 83.5281)
contains.

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Color

**XYZ(61.1317, 36.8189,
83.2416)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66EC
RGB	255, 102, 236
RGB Percent	100%, 40%, 93%
CMY	0.0000, 0.6000, 0.0745
CMYK	0.00, 0.60, 0.07, 0.00
HSL	307°, 100%, 70%
HSV	307°, 60%, 100%
XYZ	61.1317, 36.8189, 83.2416
YIQ	163.0230, 48.1740, 74.1100

Conversions

Conversions Part 2

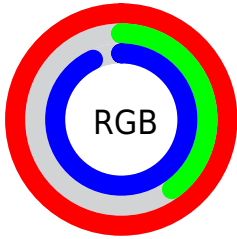
Format	Color
R _Y B	255, 102, 236
Decimal	16738028
CIE Lab	67.14, 73.23, -39.53
CIE LCh	67, 83.220, 331.640
Yxy	36.8189, 0.3374, 0.2032
Android (android.graphics.Color)	4294928108 (0xFFFF66EC)
YUV	163.0230, 35.9777, 80.6638
Hunter-Lab	60.6786, 73.6454, -38.8617

Details

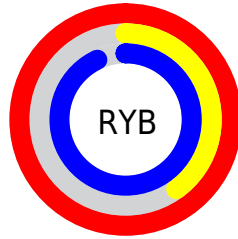
The XYZ color **61.1317, 36.8189, 83.2416** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.6920, 75.7259, 30.3525**, and the grayscale version is **34.6448, 36.4490, 39.6930**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **31.3748, 16.1591, 44.6454** is the 20% darker color. If you saturate the color by 10%, you get **58.5438, 32.3728, 80.1294**, and if you desaturate by 10%, it is **64.4998, 42.8121, 86.6550**.

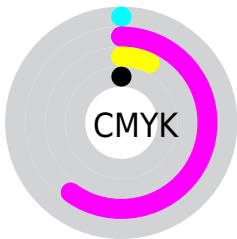
Distribution



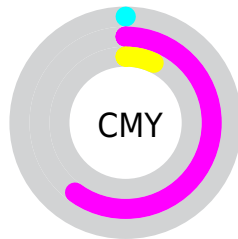
- Red (100%)
- Green (40%)
- Blue (93%)



- Red (100%)
- Yellow (40%)
- Blue (93%)



- Cyan (0%)
- Magenta (60%)
- Yellow (7%)
- Black (0%)



- Cyan (0%)
- Magenta (60%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.1317, 36.8189, 83.2416 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 61.1317, 36.8189, 83.2416 by changing the saturation by 10% instead.

61.1317, 36.8189,
83.2416

61.1317, 36.8189,
83.2416

418.5249,
332.5258, 525.7834

44.5844, 25.0673,
61.8477

105.5666, 70.2942,
139.7660

31.3301, 16.1272,
44.4747

134.1850, 92.7866,
175.7337

21.0034, 9.6142,
30.7039

167.5577,
119.6282, 217.3963

13.2390, 5.1439,
20.1169

206.0503,
151.2032, 265.1725

7.6714, 2.3320,
12.2951

250.0279,
187.8960, 319.4808

3.9355, 0.7905,
6.8200

299.8560,

1.6657, 0.0000,

230.0912, 380.7397

3.2731

355.8999,
278.1730, 449.3677

■ 0.4346, 0.0000,
1.2357

■ 0.0000, 0.0000,
0.0082

■ 61.1317, 36.8189,
83.2416

■ 61.1317, 36.8189,
83.2416

■ 58.5438, 32.3728,
80.1294

■ 64.4998, 42.8121,
86.6550

■ 56.6604, 29.3228,
77.2916


■ 68.7097, 50.4758,
90.3891

■ 55.3948, 27.4957,
74.6996

■ 73.8196, 59.9264,
94.4638

■ 54.6044, 26.6059,
72.3056

■ 79.8817, 71.2682,
98.8968

 54.6042, 26.6057,
72.3049

 86.9444, 84.5977,
103.7043

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.



49.4058, 36.8189, 133.7531



61.1317, 36.8189, 83.2416



65.4595, 36.8189, 38.1238

Triad

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



61.1317, 36.8189, 83.2416



34.3020, 36.8189, 2.9636



18.0725, 36.8189, 89.0042

Complementary

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



61.1317, 36.8189, 83.2416



44.6920, 75.7259, 30.3525

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.



15.8446, 36.8189, 42.1217



61.1317, 36.8189, 83.2416



23.7007, 36.8189, 5.1860

Square

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



61.1317, 36.8189, 83.2416



47.9001, 36.8189, 4.6913



17.6269, 36.8189, 15.2291



24.6452, 36.8189, 138.2658

Rectangle

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



61.1317, 36.8189, 83.2416



62.9001, 36.8189, 19.4599



17.6269, 36.8189, 15.2291



16.8735, 36.8189, 71.7445

Sweetspot

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



61.1325, 36.8204, 83.2423



81.2107, 73.7683, 99.8264



30.5280, 20.7071, 96.9956



16.9708, 15.0154, 21.0781



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.



61.1325, 36.8204, 83.2423



58.1126, 31.6551, 79.5398



52.3947, 33.3253, 37.2297



18.6898, 18.2592, 22.2498



28.5701, 13.9173, 37.9823



2.8079, 1.3655, 3.8356

Inverse Universe

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



61.1325, 36.8204, 83.2423



58.1126, 31.6551, 79.5398



51.2444, 78.3468, 64.8570



18.6898, 18.2592, 22.2498



28.5701, 13.9173, 37.9823



2.8079, 1.3655, 3.8356

Previews

White Background



This preview shows how the XYZ color 61.1317, 36.8189, 83.2416 looks on a white background.

Color Contrast Check

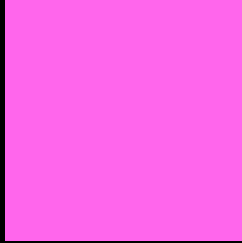
Large Text (above 18pt) WCAG AA × Fail

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 61.1317, 36.8189, 83.2416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

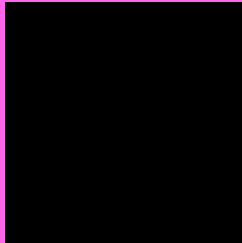
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.1317, 36.8189, 83.2416

Background



This preview shows how black text looks on a background with the XYZ color 61.1317, 36.8189, 83.2416.

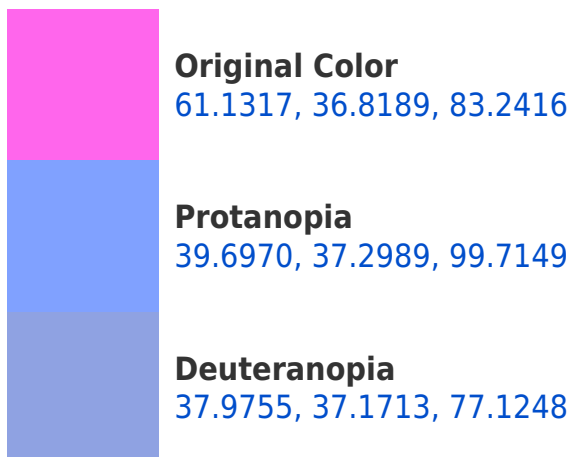


This preview shows how white text looks on a background with the XYZ color 61.1317, 36.8189,

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





Tritanopia

49.6148, 36.5064, 28.4762

Trichromacy



Original Color

61.1317, 36.8189, 83.2416



Protanomaly

43.7769, 34.5321, 93.1650



Deuteranomaly

43.4282, 34.6597, 79.2640



Tritanomaly

52.9482, 36.2061, 44.2422

Monochromacy



Original Color

61.1317, 36.8189, 83.2416



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

41.5841, 34.5032, 53.1833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.1317, 36.8189, 83.2416 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, 102, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 236)  
}
```

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, 102, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 236) }
```

Border

The CSS property to change the border of an element to XYZ 61.1317, 36.8189, 83.2416 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, 102, 236) }
```


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

```
.border{ border-color:rgb(255, 102, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 61.1317, 36.8189, 83.2416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 236) }
```

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

```
.background{ background-color: rgb(255,  
102, 236) }
```

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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