

Converting Colors

XYZ(61.0832, 36.4888, 83.9444)

Have a look what the booklet for
XYZ(61.0832, 36.4888, 83.9444)
contains.

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Color

**XYZ(61.0832, 36.4888,
83.9444)**

Conversions

Conversions Part 1

Format	Color
Hex	FF64ED
RGB	255, 100, 237
RGB Percent	100%, 39%, 93%
CMY	0.0000, 0.6078, 0.0706
CMYK	0.00, 0.61, 0.07, 0.00
HSL	307°, 100%, 70%
HSV	307°, 61%, 100%
XYZ	61.0832, 36.4888, 83.9444
YIQ	161.9630, 48.4030, 75.4670

Conversions

Conversions Part 2

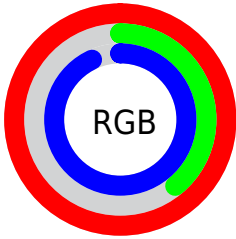
Format	Color
R _Y B	255, 100, 237
Decimal	16737517
CIE Lab	66.89, 74.19, -40.47
CIE LCh	67, 84.513, 331.387
Yxy	36.4888, 0.3365, 0.2010
Android (android.graphics.Color)	4294927597 (0xFFFF64ED)
YUV	161.9630, 36.9932, 81.5934
Hunter-Lab	60.4060, 74.7908, -40.1094

Details

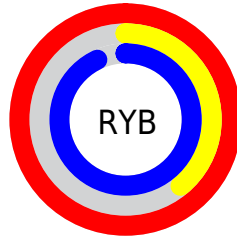
The XYZ color **61.0832, 36.4888, 83.9444** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.2868, 75.5379, 29.3879**, and the grayscale version is **34.1434, 35.9215, 39.1185**.

A 20% lighter version of the original color is **71.6881, 53.2763, 101.1127**, and **31.3627, 15.9713, 45.1458** is the 20% darker color. If you saturate the color by 10%, you get **58.5798, 32.1684, 80.9932**, and if you desaturate by 10%, it is **64.3606, 42.3452, 87.1897**.

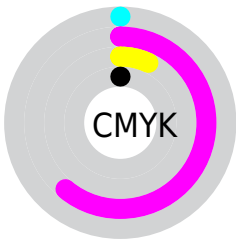
Distribution



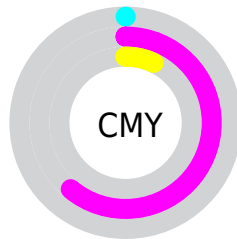
- Red (100%)
- Green (39%)
- Blue (93%)



- Red (100%)
- Yellow (39%)
- Blue (93%)



- Cyan (0%)
- Magenta (61%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (61%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.0832, 36.4888, 83.9444 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 61.0832, 36.4888, 83.9444 by changing the saturation by 10% instead.


 61.0832, 36.4888,
83.9444


 61.0832, 36.4888,
83.9444


418.3500,
331.0920, 528.1818


 44.5451, 24.8119,
62.4244


 105.4968, 69.7859,
140.7584


 31.2990, 15.9370,
44.9377


 134.1031, 92.1748,
176.8896

 20.9796, 9.4796,
31.0658


 167.4628,
118.9033, 218.7281

 13.2215, 5.0553,
20.3901

 205.9412,
150.3557, 266.6927

 7.6593, 2.2797,
12.4920

249.9038,
186.9163, 321.2018

 3.9277, 0.7630,
6.9531

299.7159,

 1.6613, 0.0000,

228.9697, 382.6740

3.3548

355.7429,
276.9001, 451.5278

■ 0.4319, 0.0000,
1.2785

■ 0.0000, 0.0000,
0.0441

■ 61.0832, 36.4888,
83.9444

■ 61.0832, 36.4888,
83.9444

■ 58.5798, 32.1684,
80.9932

■ 64.3606, 42.3452,
87.1897

■ 56.7735, 29.2312,
78.3090

■ 68.4740, 49.8622,
90.7487

■ 55.5764, 27.5011,
75.8628

■ 73.4819, 59.1569,
94.6415

■ 54.8834, 26.7174,
73.7753

■ 79.4372, 70.3347,
98.8858

86.3884, 83.4925,
103.4979

94.3805, 98.7206,
108.4932

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.



49.1429, 36.4888, 135.3837



61.0832, 36.4888, 83.9444



65.5612, 36.4888, 38.0483

Triad

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



61.0832, 36.4888, 83.9444



34.0892, 36.4888, 2.7148



17.6291, 36.4888, 88.9047

Complementary

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



61.0832, 36.4888, 83.9444



44.2868, 75.5379, 29.3879

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.



15.4376, 36.4888, 41.4607



61.0832, 36.4888, 83.9444



23.3782, 36.4888, 4.8242

Square

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



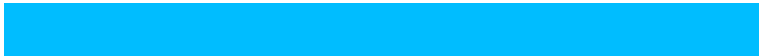
61.0832, 36.4888, 83.9444



47.8527, 36.4888, 4.4179



17.2524, 36.4888, 14.6330



24.1804, 36.4888, 139.2840

Rectangle

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



61.0832, 36.4888, 83.9444



63.0150, 36.4888, 19.1717



17.2524, 36.4888, 14.6330



16.4424, 36.4888, 71.3737

Sweetspot

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



61.0841, 36.4903, 83.9451



81.2685, 73.7914, 100.1309



29.7450, 20.0152, 96.9033



16.9851, 15.0211, 21.1534



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.



61.0841, 36.4903, 83.9451



58.1216, 31.4029, 80.3754



52.3199, 32.9846, 37.7937



18.6965, 18.2619, 22.2847



28.7140, 13.9749, 38.7398



2.8204, 1.3706, 3.9019

Inverse Universe

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



61.0841, 36.4903, 83.9451



58.1216, 31.4029, 80.3754



50.6424, 78.0802, 62.8558



18.6965, 18.2619, 22.2847



28.7140, 13.9749, 38.7398



2.8204, 1.3706, 3.9019

Previews

White Background



This preview shows how the XYZ color 61.0832, 36.4888, 83.9444 looks on a white background.

Color Contrast Check

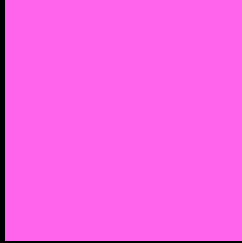
Large Text (above 18pt) WCAG AA × Fail

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 61.0832, 36.4888, 83.9444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

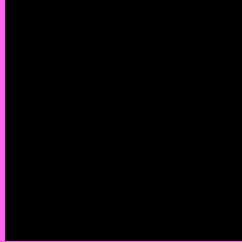
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.0832, 36.4888, 83.9444

Background



This preview shows how black text looks on a background with the XYZ color 61.0832, 36.4888, 83.9444.



This preview shows how white text looks on a background with the XYZ color 61.0832, 36.4888,

83.9444.

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

61.0832, 36.4888, 83.9444

Protanopia

39.3732, 36.8736, 99.6499

Deuteranopia

37.5945, 36.6985, 77.7751



Tritanopia

49.3415, 36.1894, 27.6772

Trichromacy



Original Color

61.0832, 36.4888, 83.9444



Protanomaly

43.4873, 33.9529, 93.0685



Deuteranomaly

42.9478, 34.1798, 79.9351



Tritanomaly

52.6155, 35.6962, 43.6521

Monochromacy



Original Color

61.0832, 36.4888, 83.9444



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

41.1829, 33.8751, 52.5121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.0832, 36.4888, 83.9444 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, 100, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 237)  
}
```

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, 100, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 237) }
```

Border

The CSS property to change the border of an element to XYZ 61.0832, 36.4888, 83.9444 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, 100, 237) }
```


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

```
.border{ border-color:rgb(255, 100, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 61.0832, 36.4888, 83.9444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 237) }
```

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

```
.background{ background-color: rgb(255,  
100, 237) }
```

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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