

Converting Colors

XYZ(60.5476, 36.1904, 81.3829)

Have a look what the booklet for
XYZ(60.5476, 36.1904, 81.3829)
contains.

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Color

**XYZ(60.5531, 36.1242,
81.6231)**

Conversions

Conversions Part 1

Format	Color
Hex	FF63EA
RGB	255, 99, 234
RGB Percent	100%, 39%, 92%
CMY	0.0000, 0.6117, 0.0824
CMYK	0.00, 0.61, 0.08, 0.00
HSL	308°, 100%, 69%
HSV	308°, 61%, 100%
XYZ	60.5531, 36.1242, 81.6231
YIQ	161.0340, 49.6410, 75.0570

Conversions

Conversions Part 2

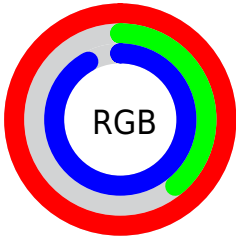
Format	Color
R _Y B	255, 99, 234
Decimal	16737258
CIE Lab	66.61, 74.13, -39.24
CIE LCh	67, 83.880, 332.105
Yxy	36.1242, 0.3396, 0.2026
Android (android.graphics.Color)	4294927338 (0xFFFF63EA)
YUV	161.0340, 35.9722, 82.4082
Hunter-Lab	60.1034, 74.6546, -38.4461

Details

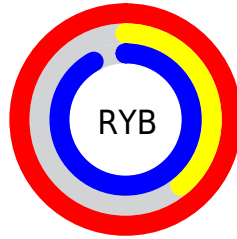
The XYZ color **60.5531, 36.1242, 81.6231** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.2970, 75.5293, 30.0155**, and the grayscale version is **33.7156, 35.4715, 38.6284**.

A 20% lighter version of the original color is **71.5169, 52.9337, 101.0556**, and **31.0058, 15.7450, 43.5244** is the 20% darker color. If you saturate the color by 10%, you get **58.0189, 31.8372, 78.3690**, and if you desaturate by 10%, it is **63.8609, 41.9427, 85.1831**.

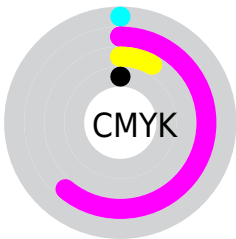
Distribution



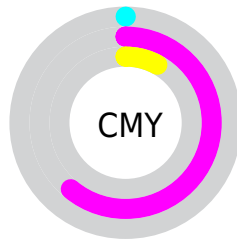
- Red (100%)
- Green (39%)
- Blue (92%)



- Red (100%)
- Yellow (39%)
- Blue (92%)



- Cyan (0%)
- Magenta (61%)
- Yellow (8%)
- Black (0%)





- Cyan (0%)
- Magenta (61%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.5531, 36.1242, 81.6231 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 60.5531, 36.1242, 81.6231 by changing the saturation by 10% instead.

 60.5531, 36.1242,
81.6231


 60.5531, 36.1242,
81.6231

416.4356,
329.5031, 520.2364


 44.1158, 24.5301,
60.5209

 104.7334, 69.2237,
137.4773

 30.9598, 15.7273,
43.4106


 133.2070, 91.4980,
173.0663

 20.7199, 9.3314,
29.8736


 166.4235,
118.1011, 214.3214

 13.0307, 4.9580,
19.4914

 204.7482,
149.4174, 261.6611

 7.5269, 2.2226,
11.8455

248.5463,
185.8314, 315.5039

 3.8430, 0.7323,
6.5173

298.1834,

 1.6137, 0.0000,

227.7274, 376.2684

3.0883

354.0247,
275.4898, 444.3730

■ 0.4013, 0.0000,
1.1399

■ 0.0000, 0.0000,
0.0000

■ 60.5531, 36.1242,
81.6231

■ 60.5531, 36.1242,
81.6231

■ 58.0189, 31.8372,
78.3690

■ 63.8609, 41.9427,
85.1831

■ 56.1811, 28.9281,
75.3935


■ 68.0048, 49.4180,
89.0687


■ 54.9509, 27.2191,
72.6671

■ 73.0436, 58.6678,
93.3003

■ 54.2475, 26.4630,
70.4267

■ 79.0301, 69.7976,
97.8958

 86.0132, 82.9047,
102.8716

 94.0380, 98.0798,
108.2431

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.



48.9119, 36.1242, 132.4394



60.5531, 36.1242, 81.6231



64.7373, 36.1242, 36.8357

Triad

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



60.5531, 36.1242, 81.6231



33.4515, 36.1242, 2.7410



17.6103, 36.1242, 89.0284

Complementary

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



60.5531, 36.1242, 81.6231



44.2970, 75.5293, 30.0155

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.



15.3478, 36.1242, 41.9409



60.5531, 36.1242, 81.6231



22.9867, 36.1242, 4.9512

Square

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



60.5531, 36.1242, 81.6231



46.9836, 36.1242, 4.3374



17.0455, 36.1242, 14.9572



24.1883, 36.1242, 138.2561

Rectangle

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



60.5531, 36.1242, 81.6231



62.0777, 36.1242, 18.5510



17.0455, 36.1242, 14.9572



16.4042, 36.1242, 71.7043

Sweetspot

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



60.5539, 36.1257, 81.6238



81.1360, 73.7384, 99.4329



30.2315, 20.1244, 96.8988



16.9523, 15.0080, 20.9807



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.



60.5539, 36.1257, 81.6238



57.6335, 31.2077, 77.8054



51.7207, 32.5924, 35.1085



18.6813, 18.2558, 22.2047



28.3863, 13.8438, 37.0145



2.7918, 1.3591, 3.7508

Inverse Universe

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



60.5539, 36.1257, 81.6238



57.6335, 31.2077, 77.8054



51.0767, 78.2412, 65.7170



18.6813, 18.2558, 22.2047



28.3863, 13.8438, 37.0145



2.7918, 1.3591, 3.7508

Previews

White Background



This preview shows how the XYZ color 60.5531, 36.1242, 81.6231 looks on a white background.

Color Contrast Check

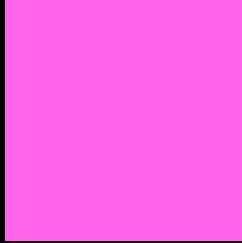
Large Text (above 18pt) WCAG AA × Fail

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 60.5531, 36.1242, 81.6231 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 60.5531, 36.1242, 81.6231

Background



This preview shows how black text looks on a background with the XYZ color 60.5531, 36.1242, 81.6231.



This preview shows how white text looks on a background with the XYZ color 60.5531, 36.1242,

81.6231.

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

60.5531, 36.1242, 81.6231

Protanopia

38.9056, 36.3762, 99.5785

Deuteranopia

37.1807, 36.2742, 75.5630



Tritanopia

49.1423, 35.9041, 27.2618

Trichromacy



Original Color

60.5531, 36.1242, 81.6231



Protanomaly

42.7474, 33.3774, 92.1851



Deuteranomaly

42.6205, 33.8457, 77.6853



Tritanomaly

52.3075, 35.3875, 42.6016

Monochromacy



Original Color

60.5531, 36.1242, 81.6231



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

40.6713, 33.4099, 51.8821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.5531, 36.1242, 81.6231 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, 99, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 234)  
}
```

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, 99, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 234) }
```

Border

The CSS property to change the border of an element to XYZ 60.5531, 36.1242, 81.6231 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, 99, 234) }
```


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

```
.border{ border-color:rgb(255, 99, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 99, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 60.5531, 36.1242, 81.6231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 234) }
```

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

```
.background{ background-color: rgb(255, 99,  
234) }
```

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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