

Converting Colors

XYZ(60.5638, 36.5919, 80.2518)

Have a look what the booklet for
XYZ(60.5638, 36.5919, 80.2518)
contains.

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Color

**XYZ(60.5569, 36.5889,
80.2146)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66E8
RGB	255, 102, 232
RGB Percent	100%, 40%, 91%
CMY	0.0000, 0.6000, 0.0902
CMYK	0.00, 0.60, 0.09, 0.00
HSL	309°, 100%, 70%
HSV	309°, 60%, 100%
XYZ	60.5569, 36.5889, 80.2146
YIQ	162.5670, 49.4580, 72.8660

Conversions

Conversions Part 2

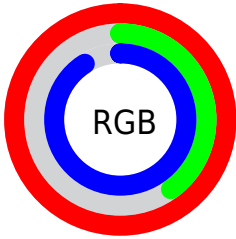
Format	Color
R _Y B	255, 102, 232
Decimal	16738024
CIE Lab	66.97, 72.62, -37.58
CIE LCh	67, 81.772, 332.637
Yxy	36.5889, 0.3414, 0.2063
Android (android.graphics.Color)	4294928104 (0xFFFF66E8)
YUV	162.5670, 34.2305, 81.0637
Hunter-Lab	60.4888, 72.8458, -36.2828

Details

The XYZ color **60.5569, 36.5889, 80.2146** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.9424, 75.8260, 31.6714**, and the grayscale version is **34.4379, 36.2314, 39.4560**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **30.9730, 15.9984, 42.5298** is the 20% darker color. If you saturate the color by 10%, you get **57.8863, 32.1098, 76.6674**, and if you desaturate by 10%, it is **64.0112, 42.6166, 84.0826**.

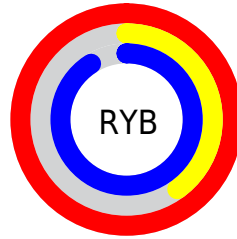
Distribution



Red (100%)

Green (40%)

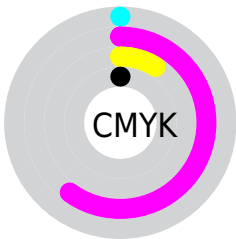
Blue (91%)



Red (100%)

Yellow (40%)

Blue (91%)

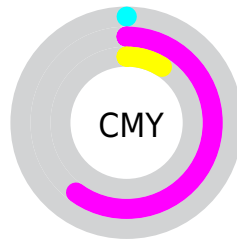


Cyan (0%)

Magenta (60%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 60.5569, 36.5889, 80.2146 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 60.5569, 36.5889, 80.2146 by changing the saturation by 10% instead.


 60.5569, 36.5889,
80.2146


 60.5569, 36.5889,
80.2146

416.4494,
331.5272, 515.3816


 44.1188, 24.8894,
59.3678


 104.7389, 69.9401,
135.4815


 30.9623, 15.9946,
42.4873


 133.2135, 92.3605,
170.7387

 20.7218, 9.5204,
29.1546


 166.4310,
119.1233, 211.6364

 13.0321, 5.0821,
18.9512

 204.7567,
150.6129, 258.5931

 7.5278, 2.2955,
11.4586

248.5561,
187.2137, 312.0275

 3.8436, 0.7713,
6.2581

298.1944,

 1.6140, 0.0000,

229.3101, 372.3580

2.9314

354.0371,
277.2865, 440.0032

■ 0.4015, 0.0000,
1.0597

■ 0.0000, 0.0000,
0.0000

■ 60.5569, 36.5889,
80.2146

■ 60.5569, 36.5889,
80.2146

■ 57.8863, 32.1098,
76.6674

■ 64.0112, 42.6166,
84.0826

■ 55.9240, 29.0282,
73.4141

■ 68.3112, 50.3163,
88.2909

■ 54.5832, 27.1710,
70.4258

■ 73.5149, 59.8043,
92.8599

■ 53.7212, 26.2526,
67.6546

■ 79.6747, 71.1852,
97.8072

■ 53.7210, 26.2524,
67.6539

■ 86.8389, 84.5553,
103.1493

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.



49.2942, 36.5889, 129.5123



60.5569, 36.5889, 80.2146



64.4648, 36.5889, 36.7778

Triad

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



60.5569, 36.5889, 80.2146



33.6906, 36.5889, 3.1446



18.3075, 36.5889, 89.2126

Complementary

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



60.5569, 36.5889, 80.2146



44.9424, 75.8260, 31.6714

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.



15.9750, 36.5889, 43.0658



60.5569, 36.5889, 80.2146



23.4323, 36.5889, 5.5571

Square

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



60.5569, 36.5889, 80.2146



46.9341, 36.5889, 4.7539



17.6012, 36.5889, 15.9650



24.9239, 36.5889, 136.5334

Rectangle

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



60.5569, 36.5889, 80.2146



61.7682, 36.5889, 18.9043



17.6012, 36.5889, 15.9650



17.0785, 36.5889, 72.3453

Sweetspot

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



60.5576, 36.5904, 80.2153



81.0238, 73.6935, 98.8420



31.2531, 21.0808, 97.0295



16.9246, 14.9969, 20.8347



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.



60.5576, 36.5904, 80.2153



57.4391, 31.3857, 75.9931



51.9552, 33.1494, 34.9152



18.6684, 18.2507, 22.1368



28.1149, 13.7352, 35.5850



2.7679, 1.3495, 3.6252

Inverse Universe

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



60.5576, 36.5904, 80.2153



57.4391, 31.3857, 75.9931



51.8362, 78.5836, 67.9739



18.6684, 18.2507, 22.1368



28.1149, 13.7352, 35.5850



2.7679, 1.3495, 3.6252

Previews

White Background



This preview shows how the XYZ color 60.5569, 36.5889, 80.2146 looks on a white background.

Color Contrast Check

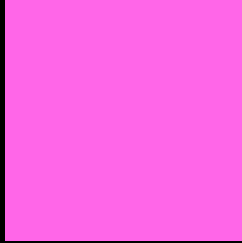
Large Text (above 18pt) WCAG AA × Fail

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 60.5569, 36.5889, 80.2146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

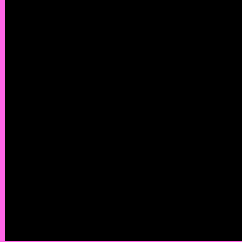
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.5569, 36.5889, 80.2146

Background



This preview shows how black text looks on a background with the XYZ color 60.5569, 36.5889, 80.2146.

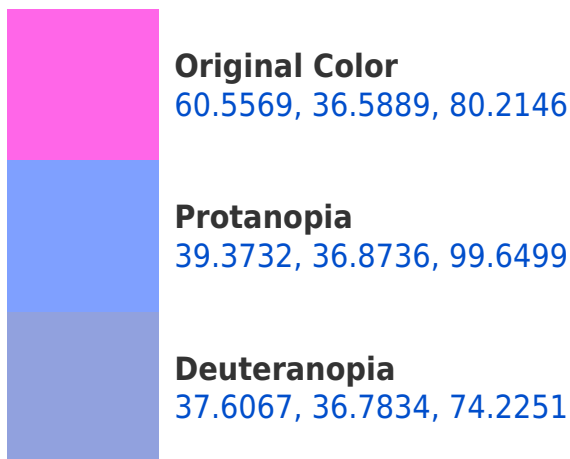


This preview shows how white text looks on a background with the XYZ color 60.5569, 36.5889,

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

49.6895, 36.3688, 27.6935

Trichromacy



Original Color

60.5569, 36.5889, 80.2146



Protanomaly

43.4767, 34.1793, 92.3015



Deuteranomaly

43.1131, 34.5614, 76.3502



Tritanomaly

52.8960, 36.0369, 42.6960

Monochromacy



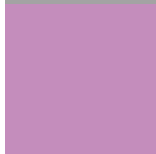
Original Color

60.5569, 36.5889, 80.2146



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

41.3669, 34.4164, 52.0397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.5569, 36.5889, 80.2146 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 232) }
```

Border

The CSS property to change the border of an element to XYZ 60.5569, 36.5889, 80.2146 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, 232) }
```


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

```
.border{ border-color:rgb(255, 102, 232) }
```

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, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 60.5569, 36.5889, 80.2146 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, 232) }
```

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

```
.background{ background-color: rgb(255,  
102, 232) }
```

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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