

Converting Colors

XYZ(60.1431, 38.4497, 71.7890)

Have a look what the booklet for
XYZ(60.1431, 38.4497, 71.7890)
contains.

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Color

**XYZ(60.1756, 38.4619,
71.9624)**

Conversions

Conversions Part 1

Format	Color
Hex	FF72DC
RGB	255, 114, 220
RGB Percent	100%, 45%, 86%
CMY	0.0000, 0.5529, 0.1373
CMYK	0.00, 0.55, 0.14, 0.00
HSL	315°, 100%, 72%
HSV	315°, 55%, 100%
XYZ	60.1756, 38.4619, 71.9624
YIQ	168.2430, 50.0100, 62.8580

Conversions

Conversions Part 2

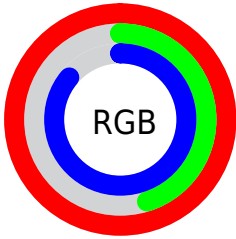
Format	Color
R _Y B	255, 114, 220
Decimal	16741084
CIE Lab	68.36, 65.72, -28.76
CIE LCh	68, 71.736, 336.361
Yxy	38.4619, 0.3527, 0.2255
Android (android.graphics.Color)	4294931164 (0xFFFF72DC)
YUV	168.2430, 25.5162, 76.0859
Hunter-Lab	62.0177, 64.6673, -25.3850

Details

The XYZ color **60.1756, 38.4619, 71.9624** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.1257, 77.2680, 40.8141**, and the grayscale version is **37.2014, 39.1388, 42.6221**.

A 20% lighter version of the original color is **73.8529, 57.6058, 101.8343**, and **30.6634, 17.0511, 37.2724** is the 20% darker color. If you saturate the color by 10%, you get **56.8671, 33.1612, 66.8015**, and if you desaturate by 10%, it is **64.3191, 45.3815, 77.5591**.

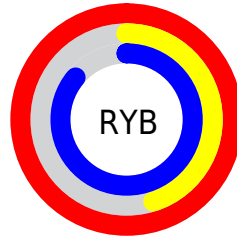
Distribution



Red (100%)

Green (45%)

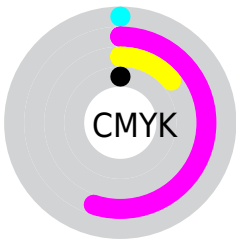
Blue (86%)



Red (100%)

Yellow (45%)

Blue (86%)

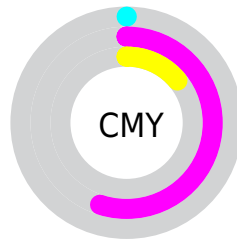


Cyan (0%)

Magenta (55%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.1756, 38.4619, 71.9624 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 60.1756, 38.4619, 71.9624 by changing the saturation by 10% instead.


 60.1756, 38.4619,
71.9624


 60.1756, 38.4619,
71.9624


415.0691,
339.5973, 486.3847

 43.8102, 26.3414,
52.6413

 104.1893, 72.8156,
123.7103

 30.7186, 17.0792,
37.1307


 132.5682, 95.8175,
156.9742

 20.5354, 10.2910,
25.0122


 165.6824,
123.2153, 195.7228

 12.8954, 5.5923,
15.8670

203.8971,
155.3935, 240.3745

 7.4330, 2.5988,
9.2768

247.5778,
192.7364, 291.3481

 3.7831, 0.9261,
4.8229

297.0898,

 1.5802, 0.0000,

235.6284, 349.0620

2.0868

352.7985,
284.4539, 413.9347

■ 0.3794, 0.0000,
0.6079

■ 0.0000, 0.0000,
0.0000

■ 60.1756, 38.4619,
71.9624

■ 60.1756, 38.4619,
71.9624

■ 56.8671, 33.1612,
66.8015

■ 64.3191, 45.3815,
77.5591

■ 54.3221, 29.3375,
62.0497

■ 69.3559, 54.0366,
83.6115

■ 52.4613, 26.8325,
57.6791

■ 75.3420, 64.5383,
90.1403

■ 51.1858, 25.4488,
53.6550

■ 82.3281, 76.9875,
97.1639

■ 50.7212, 25.0525,
51.8575

■ 90.3609, 91.4773,
104.6997

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.



50.9432, 38.4619, 114.2219



60.1756, 38.4619, 71.9624



62.5516, 38.4619, 35.3817

Triad

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



60.1756, 38.4619, 71.9624



34.2118, 38.4619, 5.5496



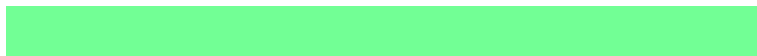
21.7548, 38.4619, 90.4045

Complementary

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



60.1756, 38.4619, 71.9624



48.1257, 77.2680, 40.8141

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.



18.9944, 38.4619, 49.1254



60.1756, 38.4619, 71.9624



25.1713, 38.4619, 9.1738

Square

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



60.1756, 38.4619, 71.9624



45.9369, 38.4619, 6.8984



20.1025, 38.4619, 21.6220



28.5495, 38.4619, 128.1541

Rectangle

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



60.1756, 38.4619, 71.9624



59.5721, 38.4619, 19.9503



20.1025, 38.4619, 21.6220



20.3955, 38.4619, 75.8574

Sweetspot

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



60.1764, 38.4635, 71.9631



81.0615, 74.7183, 95.9280



36.0837, 25.4505, 97.6184



17.0401, 15.4379, 20.2256



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.



60.1764, 38.4635, 71.9631



56.6624, 32.8433, 66.4516



52.8933, 35.5503, 33.6106



18.5886, 18.2188, 21.7169



26.5657, 13.1156, 27.4269



2.6301, 1.2944, 2.8994

Inverse Universe

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



60.1764, 38.4635, 71.9631



56.6624, 32.8433, 66.4516



55.2771, 80.1286, 78.4730



18.5886, 18.2188, 21.7169



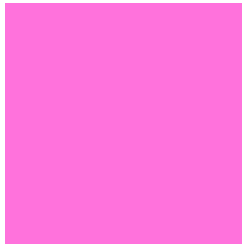
26.5657, 13.1156, 27.4269



2.6301, 1.2944, 2.8994

Previews

White Background



This preview shows how the XYZ color 60.1756, 38.4619, 71.9624 looks on a white background.

Color Contrast Check

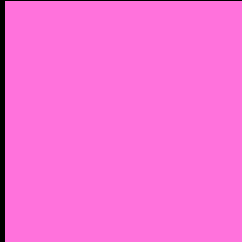
Large Text (above 18pt) WCAG AA × Fail

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 60.1756, 38.4619, 71.9624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

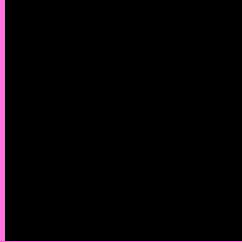
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.1756, 38.4619, 71.9624

Background



This preview shows how black text looks on a background with the XYZ color 60.1756, 38.4619, 71.9624.



This preview shows how white text looks on a background with the XYZ color 60.1756, 38.4619,

71.9624.

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

60.1756, 38.4619, 71.9624

Protanopia

41.3171, 38.9218, 99.9428

Deuteranopia

39.6563, 38.7780, 67.6821



Tritanopia

51.4915, 38.2297, 30.2564

Trichromacy



Original Color

60.1756, 38.4619, 71.9624



Protanomaly

44.8963, 36.5523, 88.6934



Deuteranomaly

45.0503, 37.0662, 69.0701



Tritanomaly

54.0137, 37.8935, 42.4976

Monochromacy



Original Color

60.1756, 38.4619, 71.9624



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

43.3790, 37.0470, 51.8782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.1756, 38.4619, 71.9624 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, 114, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 220)  
}
```

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, 114, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 220) }
```

Border

The CSS property to change the border of an element to XYZ 60.1756, 38.4619, 71.9624 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, 114, 220) }
```


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

```
.border{ border-color:rgb(255, 114, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 114, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 60.1756, 38.4619, 71.9624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 114, 220) }
```

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

```
.background{ background-color: rgb(255,  
114, 220) }
```

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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