

Converting Colors

XYZ(63.1629, 38.4595, 91.3843)

Have a look what the booklet for
XYZ(63.1629, 38.4595, 91.3843)
contains.

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Color

**XYZ(63.1322, 38.4292,
91.2789)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6BF6
RGB	255, 107, 246
RGB Percent	100%, 42%, 96%
CMY	0.0000, 0.5804, 0.0353
CMYK	0.00, 0.58, 0.04, 0.00
HSL	304°, 100%, 71%
HSV	304°, 58%, 100%
XYZ	63.1322, 38.4292, 91.2789
YIQ	167.0980, 43.5890, 74.6050

Conversions

Conversions Part 2

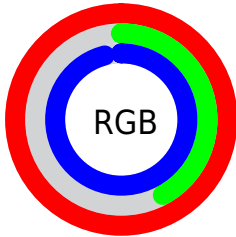
Format	Color
R _Y B	255, 107, 246
Decimal	16739318
CIE Lab	68.34, 72.74, -43.18
CIE LCh	68, 84.588, 329.308
Yxy	38.4292, 0.3274, 0.1993
Android (android.graphics.Color)	4294929398 (0xFFFF6BF6)
YUV	167.0980, 38.8987, 77.0901
Hunter-Lab	61.9913, 73.3004, -43.9075

Details

The XYZ color **63.1322, 38.4292, 91.2789** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.9770, 75.9073, 28.8060**, and the grayscale version is **36.5814, 38.4865, 41.9118**.

A 20% lighter version of the original color is **72.7451, 55.3903, 101.4650**, and **32.5917, 17.0776, 49.7226** is the 20% darker color. If you saturate the color by 10%, you get **60.6178, 33.7795, 89.2718**, and if you desaturate by 10%, it is **66.4339, 44.6499, 93.5592**.

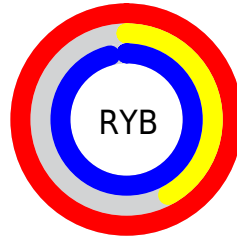
Distribution



Red (100%)

Green (42%)

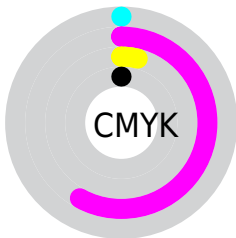
Blue (96%)



Red (100%)

Yellow (42%)

Blue (96%)

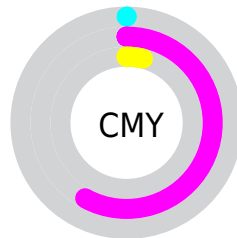


Cyan (0%)

Magenta (58%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (58%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1322, 38.4292, 91.2789 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 63.1322, 38.4292, 91.2789 by changing the saturation by 10% instead.


 63.1322, 38.4292,
91.2789

 63.1322, 38.4292,
91.2789


425.7012,
339.4576, 552.8594

 46.2072, 26.3160,
68.4622


 108.4410, 72.7655,
151.0646

 32.6147, 17.0602,
49.8048


 137.5554, 95.7574,
188.8706

 21.9893, 10.2774,
34.8882


 171.4638,
123.1443, 232.5101

 13.9656, 5.5833,
23.2939

210.5314,
155.3105, 282.4017

 8.1783, 2.5934,
14.6033

255.1236,
192.6406, 338.9639

 4.2620, 0.9233,
8.3980

305.6057,

 1.8514, 0.0000,

235.5189, 402.6152

4.2592

362.3431,
284.3297, 473.7742

■ 0.5483, 0.0000,
1.7686

■ 0.0000, 0.0000,
0.4071

■ 63.1322, 38.4292,
91.2789

■ 63.1322, 38.4292,
91.2789

■ 60.6178, 33.7795,
89.2718

■ 66.4339, 44.6499,
93.5592

■ 58.8170, 30.5540,
87.5118


■ 70.5828, 52.5620,
96.1312

■ 57.6465, 28.5862,
85.9718

■ 75.6361, 62.2797,
99.0146

■ 56.9925, 27.6480,
84.6136

■ 81.6451, 73.9055,
102.2264

 56.8930, 27.5212,
84.3577

 88.6574, 87.5348,
105.7825

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.



50.4829, 38.4292, 143.2836



63.1322, 38.4292, 91.2789



68.4144, 38.4292, 42.7309

Triad

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



63.1322, 38.4292, 91.2789



36.8346, 38.4292, 3.0627



18.4980, 38.4292, 88.7339

Complementary

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



63.1322, 38.4292, 91.2789



44.9770, 75.9073, 28.8060

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.



16.5019, 38.4292, 40.9672



63.1322, 38.4292, 91.2789



25.4121, 38.4292, 5.0054

Square

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



63.1322, 38.4292, 91.2789



51.1475, 38.4292, 5.2226



18.6943, 38.4292, 14.5418



24.9957, 38.4292, 141.2896

Rectangle

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



63.1322, 38.4292, 91.2789



66.2610, 38.4292, 22.0441



18.6943, 38.4292, 14.5418



17.3597, 38.4292, 70.9303

Sweetspot

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



63.1331, 38.4307, 91.2797



82.3245, 75.2235, 102.5787



30.3009, 21.3416, 97.1301



17.3411, 15.5583, 21.8106



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.



63.1331, 38.4307, 91.2797



60.2103, 33.0385, 88.9075



54.0998, 34.8174, 43.7113



18.7422, 18.2802, 22.5253



29.7484, 14.3886, 44.1868



2.9104, 1.4065, 4.3755

Inverse Universe

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



63.1331, 38.4307, 91.2797



60.2103, 33.0385, 88.9075



50.9449, 78.2945, 60.2324



18.7422, 18.2802, 22.5253



29.7484, 14.3886, 44.1868



2.9104, 1.4065, 4.3755

Previews

White Background



This preview shows how the XYZ color 63.1322, 38.4292, 91.2789 looks on a white background.

Color Contrast Check

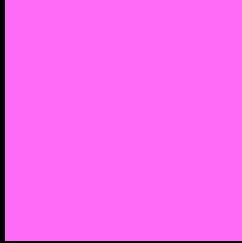
Large Text (above 18pt) WCAG AA × Fail

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 63.1322, 38.4292, 91.2789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

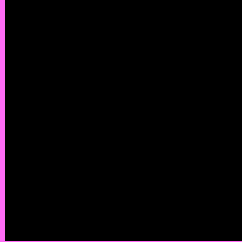
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.1322, 38.4292, 91.2789

Background



This preview shows how black text looks on a background with the XYZ color 63.1322, 38.4292, 91.2789.



This preview shows how white text looks on a background with the XYZ color 63.1322, 38.4292,

91.2789.

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

63.1322, 38.4292, 91.2789

Protanopia

40.9983, 38.7575, 99.9278

Deuteranopia

39.5800, 38.6291, 84.7270



Tritanopia

50.5213, 38.1185, 31.0804

Trichromacy



Original Color

63.1322, 38.4292, 91.2789



Protanomaly

45.5246, 36.0203, 96.6487



Deuteranomaly

44.9928, 36.1829, 87.0507



Tritanomaly

53.9059, 37.5257, 48.1181

Monochromacy



Original Color

63.1322, 38.4292, 91.2789



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

43.6424, 36.3784, 56.9461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1322, 38.4292, 91.2789 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, 107, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 246)  
}
```

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, 107, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 246) }
```

Border

The CSS property to change the border of an element to XYZ 63.1322, 38.4292, 91.2789 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, 107, 246) }
```


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

```
.border{ border-color:rgb(255, 107, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 107, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1322, 38.4292, 91.2789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 246) }
```

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

```
.background{ background-color: rgb(255,  
107, 246) }
```

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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