

Converting Colors

XYZ(62.6960, 37.8107, 90.3504)

Have a look what the booklet for
XYZ(62.6960, 37.8107, 90.3504)
contains.

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Color

**XYZ(62.6717, 37.7532,
90.3701)**

Conversions

Conversions Part 1

Format	Color
Hex	FF68F5
RGB	255, 104, 245
RGB Percent	100%, 41%, 96%
CMY	0.0000, 0.5921, 0.0392
CMYK	0.00, 0.59, 0.04, 0.00
HSL	304°, 100%, 70%
HSV	304°, 59%, 100%
XYZ	62.6717, 37.7532, 90.3701
YIQ	165.2230, 44.7350, 75.8630

Conversions

Conversions Part 2

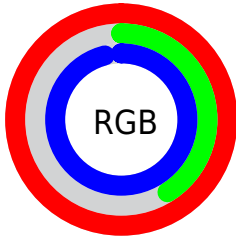
Format	Color
R _{YB}	255, 104, 245
Decimal	16738549
CIE _{Lab}	67.84, 73.82, -43.41
CIE _{LCh}	68, 85.635, 329.545
Yxy	37.7532, 0.3285, 0.1979
Android (android.graphics.Color)	4294928629 (0xFFFF68F5)
YUV	165.2230, 39.3301, 78.7344
Hunter-Lab	61.4436, 74.5413, -44.1920

Details

The XYZ color **62.6717, 37.7532, 90.3701** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.5074, 75.6785, 28.1832**, and the grayscale version is **35.6748, 37.5326, 40.8730**.

A 20% lighter version of the original color is **72.2103, 54.3207, 101.2868**, and **32.3083, 16.6840, 49.0944** is the 20% darker color. If you saturate the color by 10%, you get **60.2254, 33.2711, 88.2889**, and if you desaturate by 10%, it is **65.8978, 43.7907, 92.7238**.

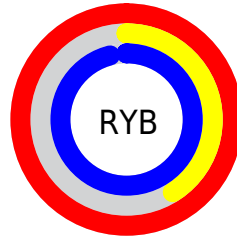
Distribution



Red (100%)

Green (41%)

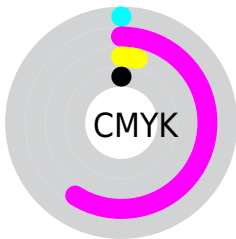
Blue (96%)



Red (100%)

Yellow (41%)

Blue (96%)

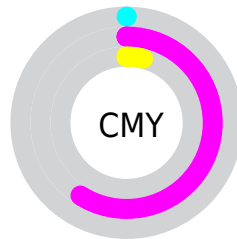


Cyan (0%)

Magenta (59%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.6717, 37.7532, 90.3701 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 62.6717, 37.7532, 90.3701 by changing the saturation by 10% instead.


 62.6717, 37.7532,
90.3701


 62.6717, 37.7532,
90.3701


424.0557,
336.5601, 549.8352


 45.8333, 25.7912,
67.7122

 107.7802, 71.7297,
149.7924


 32.3184, 16.6675,
49.1984


 136.7810, 94.5130,
187.3938

 21.7615, 9.9977,
34.4102


 170.5668,
121.6722, 230.8136

 13.7974, 5.3974,
22.9290

 209.5027,
153.5916, 280.4701

 8.0606, 2.4823,
14.3363

253.9542,
190.6557, 336.7820

 4.1859, 0.8678,
8.2135

304.2866,

 1.8078, 0.0000,

233.2489, 400.1678

4.1421

360.8653,
281.7556, 471.0460

■ 0.5224, 0.0000,
1.7036

■ 0.0000, 0.0000,
0.3632

■ 62.6717, 37.7532,
90.3701

■ 62.6717, 37.7532,
90.3701

■ 60.2254, 33.2711,
88.2889

■ 65.8978, 43.7907,
92.7238

■ 58.4839, 30.1950,
86.4537

■ 69.9646, 51.5059,
95.3688

■ 57.3621, 28.3547,
84.8367

■ 74.9296, 61.0140,
98.3250

■ 56.7305, 27.4911,
83.3946

■ 80.8450, 72.4189,
101.6097

■ 56.6892, 27.4397,
83.2843

■ 87.7586, 85.8164,
105.2388

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.



49.9897, 37.7532, 143.0517



62.6717, 37.7532, 90.3701



67.9148, 37.7532, 41.6896

Triad

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



62.6717, 37.7532, 90.3701



36.0862, 37.7532, 2.7834



17.9512, 37.7532, 88.6820

Complementary

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



62.6717, 37.7532, 90.3701



44.5074, 75.6785, 28.1832

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.



15.9414, 37.7532, 40.5294



62.6717, 37.7532, 90.3701



24.7167, 37.7532, 4.6781

Square

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



62.6717, 37.7532, 90.3701



50.4286, 37.7532, 4.8157



18.0791, 37.7532, 14.0827



24.4441, 37.7532, 141.7236

Rectangle

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



62.6717, 37.7532, 90.3701



65.6917, 37.7532, 21.1893



18.0791, 37.7532, 14.0827



16.8121, 37.7532, 70.7129

Sweetspot

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



62.6726, 37.7547, 90.3708



81.6294, 73.9358, 102.0312



29.6269, 20.5378, 97.0104



17.0745, 15.0568, 21.6242



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.



62.6726, 37.7547, 90.3708



59.8646, 32.6226, 87.9435



53.6330, 34.1389, 42.7692



18.7377, 18.2784, 22.5017



29.6435, 14.3467, 43.6347



2.9013, 1.4029, 4.3277

Inverse Universe

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



62.6726, 37.7547, 90.3708



59.8646, 32.6226, 87.9435



50.4451, 78.0536, 59.4507



18.7377, 18.2784, 22.5017



29.6435, 14.3467, 43.6347



2.9013, 1.4029, 4.3277

Previews

White Background



This preview shows how the XYZ color 62.6717, 37.7532, 90.3701 looks on a white background.

Color Contrast Check

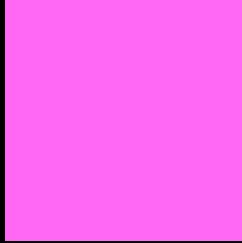
Large Text (above 18pt) WCAG AA × Fail

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 62.6717, 37.7532, 90.3701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

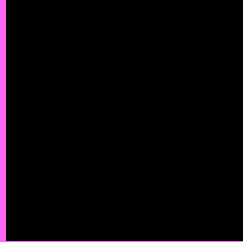
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.6717, 37.7532, 90.3701

Background



This preview shows how black text looks on a background with the XYZ color 62.6717, 37.7532, 90.3701.



This preview shows how white text looks on a background with the XYZ color 62.6717, 37.7532,

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

62.6717, 37.7532, 90.3701

Protanopia

40.5073, 38.2397, 99.8538

Deuteranopia

39.0861, 38.1245, 83.8960



Tritanopia

50.0959, 37.5102, 30.1910

Trichromacy



Original Color

62.6717, 37.7532, 90.3701



Protanomaly

44.9901, 35.5411, 95.7557



Deuteranomaly

44.5444, 35.5231, 86.1702



Tritanomaly

53.4540, 36.9479, 46.9621

Monochromacy



Original Color

62.6717, 37.7532, 90.3701



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

42.8488, 35.5457, 55.6416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.6717, 37.7532, 90.3701 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, 104, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 245)  
}
```

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, 104, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 245) }
```

Border

The CSS property to change the border of an element to XYZ 62.6717, 37.7532, 90.3701 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, 104, 245) }
```


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

```
.border{ border-color:rgb(255, 104, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 104, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 104, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 104, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 104,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 62.6717, 37.7532, 90.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 104, 245) }
```

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

```
.background{ background-color: rgb(255,  
104, 245) }
```

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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