

Converting Colors

XYZ(62.5185, 37.3736, 90.5442)

Have a look what the booklet for
XYZ(62.5185, 37.3736, 90.5442)
contains.

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Color

**XYZ(62.4728, 37.3553,
90.3038)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66F5
RGB	255, 102, 245
RGB Percent	100%, 40%, 96%
CMY	0.0000, 0.6000, 0.0392
CMYK	0.00, 0.60, 0.04, 0.00
HSL	304°, 100%, 70%
HSV	304°, 60%, 100%
XYZ	62.4728, 37.3553, 90.3038
YIQ	164.0490, 45.2850, 76.9090

Conversions

Conversions Part 2

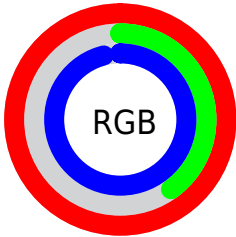
Format	Color
R _Y B	255, 102, 245
Decimal	16738037
CIE Lab	67.54, 74.63, -43.87
CIE LCh	68, 86.571, 329.553
Yxy	37.3553, 0.3286, 0.1965
Android (android.graphics.Color)	4294928117 (0xFFFF66F5)
YUV	164.0490, 39.9088, 79.7640
Hunter-Lab	61.1190, 75.4957, -44.8182

Details

The XYZ color **62.4728, 37.3553, 90.3038** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.1653, 75.5152, 27.5793**, and the grayscale version is **35.1124, 36.9410, 40.2287**.

A 20% lighter version of the original color is **72.0349, 53.9697, 101.2283**, and **32.1838, 16.4350, 49.0529** is the 20% darker color. If you saturate the color by 10%, you get **60.0877, 32.9903, 88.2595**, and if you desaturate by 10%, it is **65.6322, 43.2649, 92.6185**.

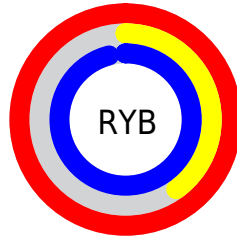
Distribution



Red (100%)

Green (40%)

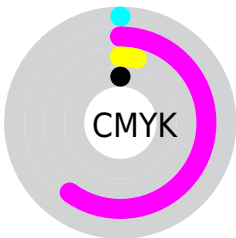
Blue (96%)



Red (100%)

Yellow (40%)

Blue (96%)

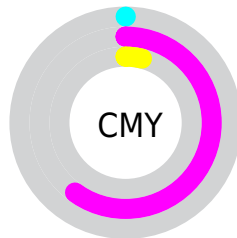


Cyan (0%)

Magenta (60%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (60%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.4728, 37.3553, 90.3038 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 62.4728, 37.3553, 90.3038 by changing the saturation by 10% instead.


 62.4728, 37.3553,
90.3038

 62.4728, 37.3553,
90.3038

423.3438,
334.8462, 549.6142


 45.6719, 25.4827,
67.6575

 107.4947, 71.1189,
149.6995

 32.1905, 16.4371,
49.1542


 136.4463, 93.7787,
187.2860

 21.6633, 9.8339,
34.3754


 170.1789,
120.8030, 230.6897

 13.7249, 5.2890,
22.9024

 209.0578,
152.5762, 280.3290

 8.0100, 2.4178,
14.3168

253.4484,
189.4828, 336.6226

 4.1532, 0.8350,
8.2001

303.7160,

 1.7892, 0.0000,

231.9070, 399.9890

4.1337

360.2260,
280.2334, 470.8467

■ 0.5111, 0.0000,
1.6989

■ 0.0000, 0.0000,
0.3600

■ 62.4728, 37.3553,
90.3038

■ 62.4728, 37.3553,
90.3038

■ 60.0877, 32.9903,
88.2595

■ 65.6322, 43.2649,
92.6185

■ 58.4012, 30.0191,
86.4588

■ 69.6275, 50.8428,
95.2226

■ 57.3268, 28.2685,
84.8735

■ 74.5169, 60.2051,
98.1362

■ 56.7218, 27.4529,
83.4558

■ 80.3525, 71.4563,
101.3766

■ 56.7217, 27.4527,
83.4554

■ 87.1827, 84.6928,
104.9599

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.



49.6924, 37.3553, 143.6373



62.4728, 37.3553, 90.3038



67.7609, 37.3553, 41.2480

Triad

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



62.4728, 37.3553, 90.3038



35.7051, 37.3553, 2.5835



17.5631, 37.3553, 88.6290

Complementary

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



62.4728, 37.3553, 90.3038



44.1653, 75.5152, 27.5793

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.



15.5611, 37.3553, 40.1045



62.4728, 37.3553, 90.3038



24.3132, 37.3553, 4.4191

Square

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



62.4728, 37.3553, 90.3038



50.1263, 37.3553, 4.5505



17.6883, 37.3553, 13.6801



24.0455, 37.3553, 142.3155

Rectangle

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



62.4728, 37.3553, 90.3038



65.5152, 37.3553, 20.7349



17.6883, 37.3553, 13.6801



16.4284, 37.3553, 70.4869

Sweetspot

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



62.4736, 37.3567, 90.3045



81.6357, 73.9383, 102.0643



29.1898, 20.0172, 96.9330



17.0761, 15.0575, 21.6325



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.



62.4736, 37.3567, 90.3045



59.6964, 32.2886, 87.8801



53.3288, 33.6988, 42.1489



18.7384, 18.2787, 22.5055



29.6602, 14.3534, 43.7227



2.9028, 1.4035, 4.3354

Inverse Universe

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



62.4736, 37.3567, 90.3045



59.6964, 32.2886, 87.8801



50.1195, 77.8969, 58.9338



18.7384, 18.2787, 22.5055



29.6602, 14.3534, 43.7227



2.9028, 1.4035, 4.3354

Previews

White Background



This preview shows how the XYZ color 62.4728, 37.3553, 90.3038 looks on a white background.

Color Contrast Check

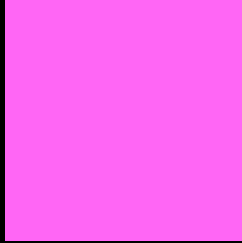
Large Text (above 18pt) WCAG AA × Fail

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 62.4728, 37.3553, 90.3038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

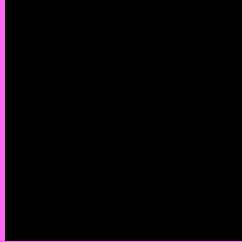
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.4728, 37.3553, 90.3038

Background



This preview shows how black text looks on a background with the XYZ color 62.4728, 37.3553, 90.3038.



This preview shows how white text looks on a background with the XYZ color 62.4728, 37.3553,

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

62.4728, 37.3553, 90.3038

Protanopia

40.0236, 37.7278, 99.7805

Deuteranopia

38.5738, 37.5958, 83.8209



Tritanopia

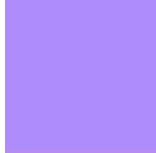
49.8121, 37.1807, 29.3622

Trichromacy



Original Color

62.4728, 37.3553, 90.3038



Protanomaly

44.4699, 34.8352, 95.6468



Deuteranomaly

44.1609, 35.1055, 86.1099



Tritanomaly

53.1101, 36.4215, 46.3503

Monochromacy



Original Color

62.4728, 37.3553, 90.3038



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

42.1765, 34.7703, 54.9405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.4728, 37.3553, 90.3038 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 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, 102, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 245) }
```

Border

The CSS property to change the border of an element to XYZ 62.4728, 37.3553, 90.3038 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, 245) }
```


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

```
.border{ border-color:rgb(255, 102, 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, 102, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 62.4728, 37.3553, 90.3038 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, 245) }
```

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

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