

Converting Colors

XYZ(61.7669, 37.0729, 86.5864)

Have a look what the booklet for
XYZ(61.7669, 37.0729, 86.5864)
contains.

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Color

**XYZ(61.7195, 37.0540,
86.3372)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66F0
RGB	255, 102, 240
RGB Percent	100%, 40%, 94%
CMY	0.0000, 0.6000, 0.0588
CMYK	0.00, 0.60, 0.06, 0.00
HSL	306°, 100%, 70%
HSV	306°, 60%, 100%
XYZ	61.7195, 37.0540, 86.3372
YIQ	163.4790, 46.8900, 75.3540

Conversions

Conversions Part 2

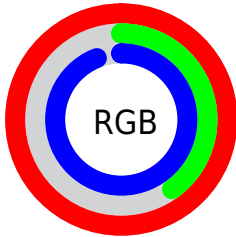
Format	Color
R _{YB}	255, 102, 240
Decimal	16738032
CIE _{Lab}	67.32, 73.85, -41.46
CIE _{LCh}	67, 84.694, 330.687
Yxy	37.0540, 0.3334, 0.2002
Android (android.graphics.Color)	4294928112 (0xFFFF66F0)
YUV	163.4790, 37.7249, 80.2639
Hunter-Lab	60.8720, 74.4592, -41.4830

Details

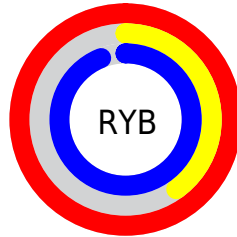
The XYZ color **61.7195, 37.0540, 86.3372** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.4516, 75.6297, 29.0869**, and the grayscale version is **34.8522, 36.6672, 39.9306**.

A 20% lighter version of the original color is **72.0349, 53.9697, 101.2283**, and **31.6540, 16.2231, 46.2628** is the 20% darker color. If you saturate the color by 10%, you get **59.2189, 32.6428, 83.6842**, and if you desaturate by 10%, it is **64.9974, 43.0111, 89.2754**.

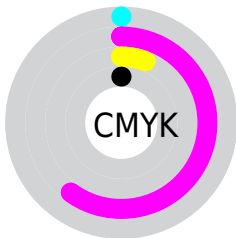
Distribution



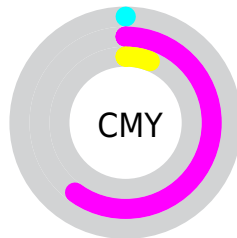
- Red (100%)
- Green (40%)
- Blue (94%)



- Red (100%)
- Yellow (40%)
- Blue (94%)



- Cyan (0%)
- Magenta (60%)
- Yellow (6%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.7195, 37.0540, 86.3372 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 61.7195, 37.0540, 86.3372 by changing the saturation by 10% instead.


 61.7195, 37.0540,
86.3372

 61.7195, 37.0540,
86.3372


420.6411,
333.5443, 536.3020

 45.0608, 25.2493,
64.3904

 106.4123, 70.6558,
144.1307


 31.7068, 16.2629,
46.5187


 135.1770, 93.2218,
180.8143

 21.2921, 9.7104,
32.3037


 168.7079,
120.1435, 223.2474

 13.4514, 5.2074,
21.3269

 207.3702,
151.8056, 271.8483

 7.8192, 2.3694,
13.1696

251.5294,
188.5923, 327.0357

 4.0303, 0.8101,
7.4133

301.5506,

 1.7193, 0.0000,

230.8880, 389.2281

3.6396

357.7994,
279.0772, 458.8440

■ 0.4683, 0.0000,
1.4298

■ 0.0000, 0.0000,
0.1648

■ 61.7195, 37.0540,
86.3372

■ 61.7195, 37.0540,
86.3372

■ 59.2189, 32.6428,
83.6842

■ 64.9974, 43.0111,
89.2754

■ 57.4196, 29.6265,
81.2898

■ 69.1140, 50.6375,
92.5180

■ 56.2353, 27.8318,
79.1254

■ 74.1274, 60.0494,
96.0851

■ 55.5231, 26.9734,
77.1432

■ 80.0900, 71.3514,
99.9940

■ 55.5229, 26.9732,
77.1427

■ 87.0501, 84.6399,
104.2611

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.



49.5270, 37.0540, 138.0873



61.7195, 37.0540, 86.3372



66.4714, 37.0540, 39.4959

Triad

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



61.7195, 37.0540, 86.3372



34.9208, 37.0540, 2.7900



17.8427, 37.0540, 88.8216

Complementary

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



61.7195, 37.0540, 86.3372



44.4516, 75.6297, 29.0869

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.



15.7169, 37.0540, 41.2072



61.7195, 37.0540, 86.3372



23.9714, 37.0540, 4.8337

Square

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



61.7195, 37.0540, 86.3372



48.8804, 37.0540, 4.6287



17.6535, 37.0540, 14.5228



24.3740, 37.0540, 140.0396

Rectangle

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



61.7195, 37.0540, 86.3372



64.0505, 37.0540, 20.0223



17.6535, 37.0540, 14.5228



16.6728, 37.0540, 71.1696

Sweetspot

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



61.7204, 37.0555, 86.3379



81.3988, 73.8436, 100.8171



29.8404, 20.3526, 96.9634



17.0174, 15.0340, 21.3233



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.



61.7204, 37.0555, 86.3379



58.8048, 31.9319, 83.1847



52.8525, 33.5084, 39.6405



18.7114, 18.2679, 22.3632



29.0433, 14.1066, 40.4740



2.8492, 1.3820, 4.0532

Inverse Universe

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



61.7204, 37.0555, 86.3379



58.8048, 31.9319, 83.1847



50.6722, 78.1180, 61.8439



18.7114, 18.2679, 22.3632



29.0433, 14.1066, 40.4740



2.8492, 1.3820, 4.0532

Previews

White Background



This preview shows how the XYZ color 61.7195, 37.0540, 86.3372 looks on a white background.

Color Contrast Check

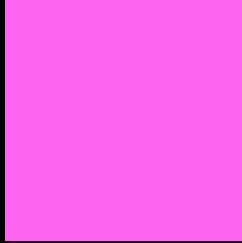
Large Text (above 18pt) WCAG AA × Fail

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 61.7195, 37.0540, 86.3372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

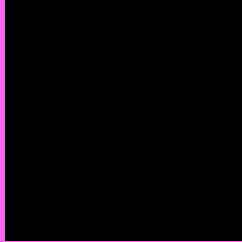
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.7195, 37.0540, 86.3372

Background



This preview shows how black text looks on a background with the XYZ color 61.7195, 37.0540, 86.3372.



This preview shows how white text looks on a background with the XYZ color 61.7195, 37.0540,

86.3372.

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

61.7195, 37.0540, 86.3372

Protanopia

39.8481, 37.3769, 99.7220

Deuteranopia

38.1878, 37.2166, 80.0337



Tritanopia

49.8187, 36.7977, 28.9030

Trichromacy



Original Color

61.7195, 37.0540, 86.3372



Protanomaly

44.3126, 34.7723, 94.8187



Deuteranomaly

43.5208, 34.6418, 82.2346



Tritanomaly

53.1447, 36.2847, 45.2769

Monochromacy



Original Color

61.7195, 37.0540, 86.3372



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

41.6938, 34.5471, 53.7610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.7195, 37.0540, 86.3372 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 240) }
```

Border

The CSS property to change the border of an element to XYZ 61.7195, 37.0540, 86.3372 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, 240) }
```


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

```
.border{ border-color:rgb(255, 102, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 61.7195, 37.0540, 86.3372 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, 240) }
```

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

```
.background{ background-color: rgb(255,  
102, 240) }
```

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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